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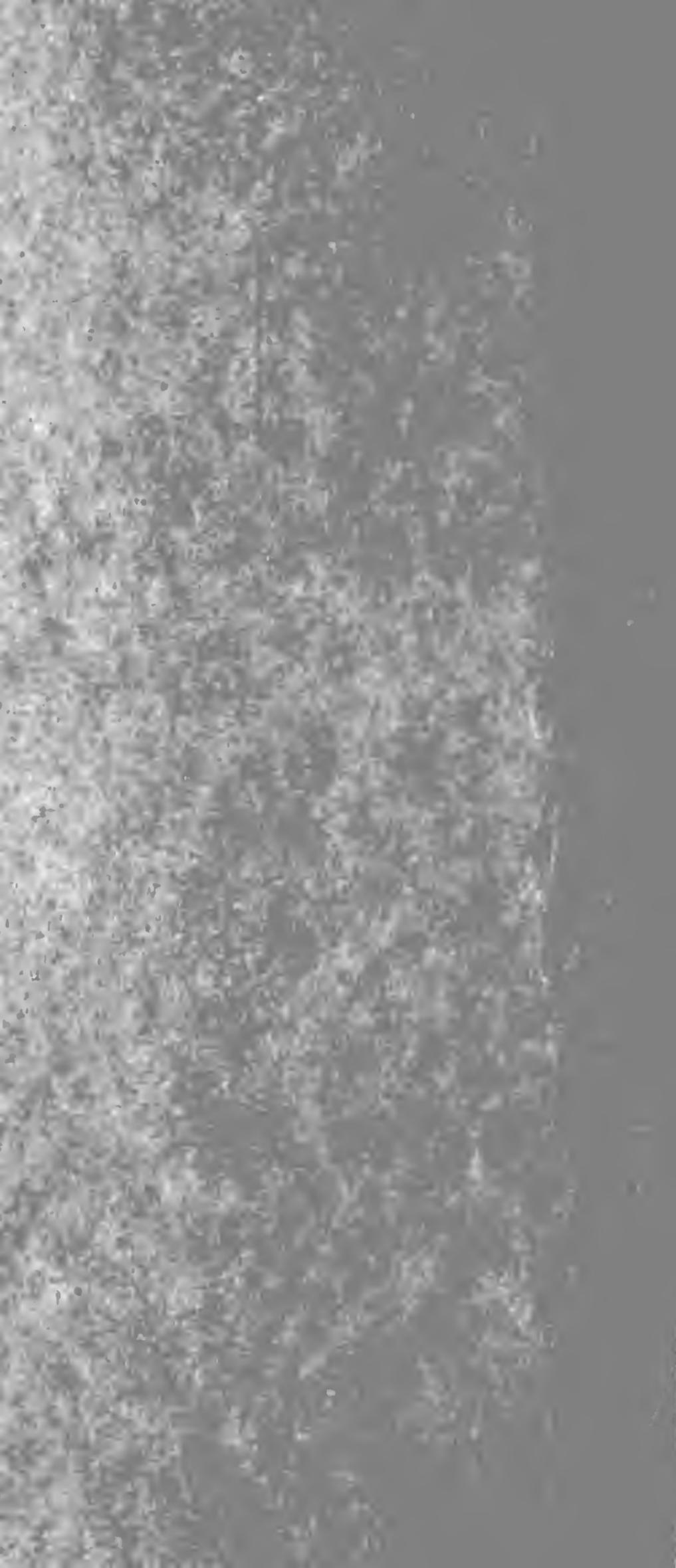
F. & F. Nurseries  
SPRINGFIELD · NEW JERSEY

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**C**ONVENIENCE and usefulness have been our guiding stars in compiling this catalog. It presents in a simple ready-reference form the material now growing in our nurseries, briefly described in a manner that we believe will help you visualize the plant itself. New and unusual things are tested and shown in our formal gardens at our nurseries, to which you are invited. Information on pages 92 to 109 will, we hope, be of material assistance to you, and your comments suggesting further improvements will be appreciated. The high quality of our stock is self-evident, but we do emphasize the fact that every cultural operation has been religiously carried out irrespective of all conditions so as to maintain this quality—a trip through our nurseries will convince you. If this catalog helps you as a planting companion, it will have accomplished its purpose.

**F. & F. Nurseries**  
SPRINGFIELD · NEW JERSEY

TELEPHONE

MILLBURN 6-0152

## Conditions of Sale

**Orders are Accepted Subject to** prior sale, and to condition of stock at delivery date, under the following terms.

**Goods in Transit.**—All goods are at purchaser's risk after they are delivered to the forwarding companies and we receive their receipt for the shipment in good condition.

**Claims** must be made within **five days** after receipt of goods. Stock delivered as per order and in good condition is not returnable.

**Prices** in this catalogue cancel all previous lists and quotations and are subject to change without notice and they are F. O. B. our nurseries, packing extra; 250, 25 or 5 of any one variety on one order will be furnished at the 1000, 100 or 10 rates respectively.

**Terms Cash.** For customers of established credit accounts will be opened due in 30 days from date of invoice. Interest at six per cent (6%) per year will be charged on all accounts from due date. Orders for C. O. D. shipment must be accompanied by one-fourth of the amount.

**Special Selection:** Plant materials specially selected at the nursery will be sold at prices commensurate with the value of the specimens chosen, irrespective of the listed prices.

**Ball & Burlap**—The charge for balling and burlapping any item where B. & B. is not specified in this list is as follows:

2 to 4 ft... 30c      4 to 6 ft.... 50c      6 to 8 ft... 75c  
Larger sizes in proportion.

*Specific dates for delivery are made subject to enforced delay caused by weather conditions.*

### SCHEDULE OF DELIVERY CHARGES

Amt. of Order on one delivery	First Zone 1 to 15 miles	Second Zone 15 to 30 miles	Third Zone 30 to 50 miles
\$1000 or more	Free.....	Free.....	Free.....
\$500 to \$999	Free.....	Free.....	Free.....
\$300 to 499	Free.....	Free.....	5% of order
\$100 to 299	Free.....	5% of order	8% of order
Less than \$100	\$3.00 .....	\$5.00 .....	\$8.00 .....

Amt. of Order on one delivery	Fourth Zone 50 to 75 miles	Fifth Zone 75 to 100 miles	Additional information on special deliveries given on request.
\$1000 or more	Free.....	5% of order..	
\$500 to \$999	5% of order..	8% of order..	
\$300 to 499	8% of order..	10% of order	
\$100 to 299	10% of order	Ship .....	
Less than \$100	\$10.00 .....	Ship .....	

### BOXING CHARGES

Length	12x15"	15x16"	17x20"	19x24"	23x28"	27x32"	31x36"
4'	.75	1.00	1.25	1.50	1.75	2.00	2.50
6'	1.00	1.25	1.50	1.75	2.00	2.50	2.75
8'	1.25	1.50	1.75	2.00	2.50	2.75	3.25
10'	1.75	2.50	2.75	3.25	3.50	4.00	4.50
12'		3.00	3.25	3.50	4.00	5.00	5.50
14'			3.75	4.00	4.25	5.50	6.00

## Trees, Shrubs and Vines

Each Per 10 Per 100

### **ABELIA grandiflora. 5'-6'**

Glossy Abelia

HALF-EVERGREEN. Dainty bell-shaped shell-pink flowers produced throughout summer. The glossy privet-like foliage will persist all winter in a protected spot. Neat shrub.

9 to 12 in.	4" pots.....	.50	4.50	40.00
1½ to 2 ft.	B. & B.....	.75	6.00	

### **ABIES concolor. 50'-60'**

White Fir

EVERGREEN. This "Queen of the Firs" is a handsome thing with large flat silvery-green needles that seem to become more blue with age. As a pyramidal accent plant it is splendid, as it withstands city conditions and drought.

15 to 18 in.	B. & B.....	1.75	15.00	125.00
1½ to 2 ft.	B. & B.....	2.50	22.50	175.00
2 to 2½ ft.	B. & B.....	3.50	30.00	250.00
2½ to 3 ft.	B. & B.....	4.25	37.50	325.00
3 to 4 ft.	B. & B.....	5.00	45.00	
4 to 5 ft.	B. & B.....	6.00		

### **homolepis. 60'-80'**

Nikko Fir

EVERGREEN. From the youthful broad-based pyramid this stately fir develops into a bold round-topped tree. Has long lustrous green needles with silvery reverse. Very hardy.

3 to 4 ft.	B. & B.....	5.00	45.00	
4 to 5 ft.	B. & B.....	6.50	60.00	550.00
5 to 6 ft.	B. & B.....	8.00	70.00	650.00
6 to 7 ft.	B. & B.....	9.00	80.00	750.00
7 to 8 ft.	B. & B.....	10.00	90.00	
8 to 9 ft.	B. & B.....	12.00		

### **veitchi. 50'-60'**

Veitch Fir

EVERGREEN. A rather dainty narrow pyramid of soft green. The silvery under side of needles is quite marked.

1½ to 2 ft.	B. & B.....	2.50	22.50	20.00
2 to 3 ft.	B. & B.....	3.50	30.00	
3 to 4 ft.	B. & B.....	5.00		
4 to 5 ft.	B. & B.....	6.00		
5 to 6 ft.	B. & B.....	7.50		

### **ACANTHOPanax pentaphyllum 7'-8'**

Five Leaf Aralia

Particularly useful for covering rocky slopes. Good bright green shining foliage, graceful arching habit, most adaptable.

2 to 3 ft.....	.40	3.50	
3 to 4 ft.....	.50	4.00	

### **ACER**

#### **palmatum atropurpureum novum. 8'-10' Purple Japan Maple**

The characteristic wine-red coloring is persistent throughout summer in this improved form. Makes a well-shaped, compact bush, and improves with age. Are very bushy plants.

12 to 15 in. potgrown or B. & B.	1.00	7.50	60.00
1 to 1½ ft. potgrown or B. & B.	1.25	10.00	90.00
1½ to 2 ft. potgrown or B. & B.	1.75	15.00	125.00
2 to 2½ ft. potgrown or B. & B.	2.50	22.50	175.00
2½ to 3 ft. potgrown or B. & B.	4.00	35.00	300.00
3 to 4 ft. B. & B.	6.00	55.00	525.00
4 to 5 ft. B. & B.	7.50		

#### **— aureum. 8'-10'**

Goldenmoon Maple

Really a golden yellow shrub that stays within bounds.

1½ to 2 ft. B. & B.....	2.25	
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**ACER**

Each Per 10 Per 100

**palmatum crispum.** 10'-12' *Crested Purple Japanese Maple*

The foliage is more deeply and irregularly cut and the coloring lighter and fresher. Unfortunately not well-known.

1 to 1½ ft.	B. & B.....	1.25	10.00	90.00
1½ to 2 ft.	B. & B.....	1.75	15.00	125.00
2 to 2½ ft.	B. & B.....	2.50	22.50	175.00
2½ to 3 ft.	B. & B.....	4.00	35.00	
3 to 4 ft.	B. & B.....	6.00	55.00	

**— dissectum.** 5'-6'*Cutleaf Japanese Maple*

Deeply cut leaves impart a lacy, soft appearance to the flat-topped low spreading bush. Grows very slowly, but at maturity is a characterful billowy mound of fresh green.

1 to 1½ ft.	B. & B.....	2.50	22.50	
1½ to 2 ft.	B. & B.....	4.00	35.00	
2 to 2½ ft.	B. & B.....	6.00		

**— — purpureum.** 5'-6'*Purple Cutleaf Maple*

Differs from the green, only in having wine-stained foliage.

1 to 1½ ft.	B. & B.....	2.50	20.00	175.00
1½ to 2 ft.	B. & B.....	4.00	35.00	300.00
2 to 2½ ft.	B. & B.....	6.00		

**— nigrum.** 10'-12'*Darkest Purple Form*

This is nearest to a purple maple. Vigorous, holds color well.

1 to 1½ ft.	B. & B.....	1.25	10.00	90.00
1½ to 2 ft.	B. & B.....	1.75	15.00	125.00
2 to 2½ ft.	B. & B.....	2.50	22.50	175.00
2½ to 3 ft.	B. & B.....	4.00	35.00	300.00
3 to 4 ft.	B. & B.....	6.00	55.00	500.00
4 to 5 ft.	B. & B.....	7.50		

**pennsylvanicum.** 30'-35'*Striped Maple*

The green bark is lined with white stripes. Prefers moisture.

3 to 4 ft.	.....	1.00		
4 to 6 ft.	.....	1.50		
6 to 8 ft.	.....	2.25		

**platanoides.** 60'-80'*Norway Maple*

Probably the easiest tree to transplant successfully. Throws a dense shade, so must be trimmed high if grass is to grow under it. Holds its green foliage well until late in the fall.

8 to 10 ft .....	.....	2.00	16.50	120.00
8 to 10 ft., 1¼ to 1½ in.....	.....	2.25	20.00	135.00
9 to 10 ft., 1½ to 1¾ in.....	.....	2.75	22.50	175.00
10 to 12 ft., 1¾ to 2 in.....	.....	3.50	30.00	250.00
12 to 14 ft., 2 to 2½ in.....	.....	4.50	40.00	350.00
12 to 14 ft., 2½ to 3 in.....	.....	6.00	55.00	500.00
14 to 16 ft., 3 to 3½ in.....	.....	10.00	90.00	
16 to 18 ft., 3½ to 4 in.....	.....	13.50		

**— globosum.** 10'-12'*Globe Norway Maple*

Here is a really worth-while "standard" tree, far superior to and more permanent than the Catalpa. Has shapely tops.

5 yr. heads, 6 ft. stems.....	.....	6.00		
6 yr. " " .....	.....	7.50		

**— schwedleri.** 60'-80'*Schwedler Maple*

The young leaves are bright red, but as summer approaches turn to a rich dark green with a suggestion of purple in them. This brightens up again in autumn. Grows easily.

8 to 10 ft., 1¼ to 1½ in.....	.....	3.50	30.00	250.00
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		Each	Per 10	Per 100
<b>ACER rubrum.</b>	<i>80'-100'</i>			<b>Red Maple</b>

A well-loved native so noticeable in spring, when the fiery red blossoms cover the branches, and again in autumn, when the vivid scarlet dress is a high spot. Ordinarily found in low places but succeeds well in high land too.

8	to	10	ft., 1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ in.....	2.75	22.50
9	to	10	ft., 1 $\frac{1}{2}$ to 1 $\frac{3}{4}$ in.....	3.25	27.50
10	to	12	ft., 1 $\frac{3}{4}$ to 2 in.....	4.00	33.00
12	to	14	ft., 2 to 2 $\frac{1}{2}$ in.....	5.00	45.00
12	to	14	ft., 2 $\frac{1}{2}$ to 3 in.....	6.75	60.00
14	to	16	ft., 3 to 3 $\frac{1}{2}$ in.....	10.00	

<b>saccharum.</b>	<i>100'</i>			<b>Sugar Maple</b>
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Quite a princely tree dissatisfied with city life, but assumes noble proportions in clear atmosphere. The autumn colors ranging through all the fiery tones make this, for spectacularly beautiful foliage effects, the most glorious of all trees.

8	to	10	ft.....	2.25	20.00	150.00
8	to	10	ft., 1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ in.....	2.75	22.50	180.00
9	to	10	ft., 1 $\frac{1}{2}$ to 1 $\frac{3}{4}$ in.....	3.25	27.50	225.00
10	to	12	ft., 1 $\frac{3}{4}$ to 2 in.....	4.00	33.00	270.00
12	to	14	ft., 2 to 2 $\frac{1}{2}$ in.....	5.00	45.00	400.00
12	to	14	ft., 2 $\frac{1}{2}$ to 3 in.....	6.75	60.00	525.00
14	to	16	ft., 3 to 3 $\frac{1}{2}$ in.....	12.00	110.00	

<b>spicatum.</b>	<i>15'-20'</i>			<b>Mountain Maple</b>
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If used only for its gay autumn dress, a well worth-while little tree. The bunches of red-winged fruits are interesting.

2	to	3	ft..	.85	7.50
3	to	4	ft.....	1.00	9.00
4	to	5	ft.....	1.50	

<b>ACTINIDIA arguta.</b>	<i>Vine, 30'</i>			<b>Bower Actinidia</b>
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Rich green leaves—greenish white flowers—yellow berries—and rapid growth are the main characteristics of this vine.

2	yr.....	.50	4.00	30.00
3	yr.....	.60	5.00	40.00

### AESCULUS

<b>hippocastanum rubicunda.</b>	<i>40'-50'</i>			<b>Pink Horsechestnut</b>
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Great trusses of deep pink flowers are held aloft each spring decorating the formal roundish pyramid like a Christmas tree.

7	to	8	ft.....	4.50
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<b>parviflora.</b>	<i>9'-10'</i>			<b>Bottlebrush Buckeye</b>
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Truly a handsome shrub. It gradually spreads into a large mound much broader than high over which the refined horse-chestnut leaves are mantled, serving as an excellent foil for the erect spikes of creamy-white flowers. Slow but good.

9	to	12	in.....	1.25	11.00
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<b>AKEBIA quinata.</b>	<i>Vine, 15'-20'</i>			<b>Five Leaf Akebia</b>
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A light lacy effect is produced by this dainty vine, and the subtle fragrance of the purple-brown flowers is attractive.

2	yr.....	.50	4.00	30.00
3	yr.....	.60	5.00	40.00

<b>AMELANCHIER canadensis.</b>	<i>25'</i>			<b>Downy Shadblow</b>
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The flurry of pure white flowers is the forerunner of spring—most noticeable in our native woods where this dainty denizen is sparsely scattered. The birds relish the fruits.

1 $\frac{1}{2}$	to	2	ft.....	.60	5.00
2	to	3	ft.....	.80	7.00
4	to	5	ft.....	1.25	11.00

	Each	Per 10	Per 100
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**AMELANCHIER stolonifera. 4'-5'**                    *Dwarf Shadblow*

This dwarf form develops by underground stems into a large mass. Has typical dainty pure white flowers, a beautiful picture in very early spring. Endures considerable shade.

1½ to 2 ft.....	.60	5.00
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**AMPELOPSIS aconitifolia. Vine, 15'-20'**            *Monkshood Vine*

Curiously shaped leaves somewhat similar to monkshood and orange berries are the features of this quick growing vine.

2 yr.....	.60	5.00
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**heterophylla. Vine, 30'-40'**                    *Porcelain Ampelopsis*

Quite similar to Monkshood vine but has bright blue berries.

2 yr.....	.60	5.00	40.00
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**quinquefolia. Vine, 40'**                            *Woodbine*

A handsome woodbine used for autumnal effects. Vigorous.

2 yr.....	.40	3.00	25.00
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**tricuspidata (veitchii). Vine, 40'-50'**            *Boston Ivy*

Probably the most popular self-clinging vine. Striking in Fall.

2 yr.....	.40	3.00	25.00
3 yr.....	.50	4.00	35.00
3" pots.....	.50	4.00	35.00
4" pots.....	.60	5.50	50.00

**— lowi. Vine, 6'-8'**                            *Geranium Creeper*

A miniature edition of the Boston Ivy, clings closely and colors beautifully in fall. The thick-looking leaves are curiously twisted. Splendid on low walls for a permanent tracery.

3 yr., 3" pots.....	.75	6.00	50.00
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**AMYGDALUS persica. 12'-15'**                    *Double Flowering Peach*

Really a glorious flowering form of our plain garden peach.

4 to 5 ft.....	.90	7.50
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**ARCTOSTAPHYLOS uva-ursi. 4"-6"**            *Bearberry*

EVERGREEN. Forms a mat of green on the hot sandy banks of South Jersey, but seems to prefer some shade in cultivation. When the large red berries are in evidence it is particularly attractive. Must have acid soil to develop naturally.

3" pots.....	.50	4.00	35.00
4" pots.....	.75	6.50	50.00

**ARONIA arbutifolia. 8'-10'**                    *Red Chokeberry*

Most decorative red berried shrub, prefers a moist place.

1½ to 2 ft.....	.50	4.50	40.00
2 to 3 ft.....	.60	5.50	50.00
3 to 4 ft.....	.75		

**melanocarpa. 3'-4'**                            *Black Chokeberry*

This black fruited form is more bushy and the foliage assumes brighter tints in autumn. White flowers practically cover the branches in May. Unfortunately the berries shrivel.

1½ to 2 ft.....	.50	4.00	30.00
2 to 3 ft.....	.60	5.00	
3 to 4 ft.....	.75	6.00	

**— grandiflora. 8'-9'**                            *Great Black Chokeberry*

This vigorous relative has slightly larger flowers and fruits and while taller is not quite so bushy or neat. Good in mass.

3 to 4 ft.....	.75	6.00
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	Each	Per 10	Per 100
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**AZALEA arborescens. 15'-18'**

Sweet Azalea

The exquisitely fragrant white or blush flowers are among the latest of Azaleas to be seen in June. Succeeds in moist or well drained places. Eventually becomes gnarled, interesting.

15 to 18 in.	B. & B.....	2.00	16.50	135.00
1½ to 2 ft.	B. & B.....	2.50	21.00	180.00
2 to 2½ ft.	B. & B.....	3.00	27.00	225.00
2½ to 3 ft.	B. & B.....	3.75	33.00	300.00
3 to 4 ft.	B. & B.....	5.00	45.00	
4 to 5 ft.	B. & B.....	7.50		

**akebona. 6'-8'**

Japanese Azalea

HALF-EVERGREEN. Has surprisingly large lavender flowers and hairy leaves. Grows freely into an open shrub. Should be more widely known and used among conifers.

2 to 2½ ft.	B. & B.....	4.50	40.00
2½ to 3 ft.	B. & B.....	7.50	60.00
3 to 4 ft.	B. & B.....	9.00	75.00

**amoena. 4'-6'**

Amoena Azalea

EVERGREEN. Grows broader than tall with good compact habit. The small box like leaves take on a warm bronzy hue in winter, but in spring a mantle of magenta flowers is the striking feature. Most hardy evergreen form.

9 to 12 in.	B. & B.....	1.00	9.00	80.00
12 to 15 in.	B. & B.....	1.50	12.50	100.00
15 to 18 in.	B. & B.....	2.25	17.50	150.00
1½ to 2 ft.	B. & B.....	3.00	25.00	225.00
2 to 2½ ft.	B. & B.....	4.00	35.00	300.00
2½ to 3 ft.	B. & B.....	6.00	55.00	500.00
3 to 3½ ft.	B. & B.....	10.50	95.00	
3½ to 4 ft.	B. & B.....	13.50	120.00	

**calendulacea. 10'-12'**

Flame Azalea

Possibly the most brilliant of our native shrubs, the flowers vary from orange to scarlet in late May. Rather dry acid soil.

15 to 18 in.	B. & B.....	2.00	16.50	135.00
1½ to 2 ft.	B. & B.....	2.50	21.00	180.00
2 to 2½ ft.	B. & B.....	3.00	27.00	225.00
2½ to 3 ft.	B. & B.....	3.75	33.00	300.00
3 to 4 ft.	B. & B.....	5.00	45.00	

**fujimayo. 5'-6'**

Japanese Azalea

HALF-EVERGREEN. Best feature is the double lavender pink flowers. Happiest in a warm spot with rhododendrons.

1½ to 2 ft.	B. & B.....	4.00	35.00
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**hinodegiri. 4'-5'**

Hinodegiri Azalea

EVERGREEN. This is THE red Azalea which in May is actually covered in a blanket of vivid carmine flowers. The foliage is lighter green and larger than that of "Amoena" and has a richer bronzy color in winter. A fine spot plant.

6 to 12 in.	B. & B.....	.80	7.00	60.00
12 to 15 in.	B. & B.....	2.00	17.50	150.00
15 to 18 in.	B. & B.....	3.00	27.50	250.00
1½ to 2 ft.	B. & B.....	4.50	42.50	400.00
2 to 2½ ft.	B. & B.....	7.00	65.00	
2½ to 3 ft.	B. & B.....	12.00	110.00	
3 to 3½ ft.	B. & B.....	15.00	135.00	

**hinomayo. 3'-4'**

Pink Japan Azalea

HALF-EVERGREEN. Undoubtedly the best pink among the evergreen Azaleas, altho in exposed locations will lose most of its leaves in winter.

15 to 18 in.	B. & B.....	3.50	30.00
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	Each	Per 10	Per 100
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**AZALEA kaempferi.** 4'-5'

## Torch Azalea

From salmon-pink to orange-red, the flowers transform this shrub into a thing of beauty. In a slightly shaded sheltered spot, it is almost evergreen, and the color of the flowers is preserved. Has successfully withstood our worst winters.

12 to 15 in.	B. & B.....	2.00	17.50	150.00
15 to 18 in.	B. & B.....	2.50	22.50	200.00
1½ to 2 ft.	B. & B.....	3.00	27.50	250.00
2 to 2½ ft.	B. & B.....	4.00	35.00	300.00
2½ to 3 ft.	B. & B.....	6.00	50.00	450.00
3 to 3½ ft.	B. & B.....	7.50	67.50	
3½ to 4 ft.	B. & B.....	9.00		

## — hybrids. 3'-4'

## Carmen, Cleopatra, Fedora, Louise

HALF-EVERGREEN. Generally speaking, these hybrids have a lower, more bushy habit and the brilliant orange tints are missing. 'Tis a gloriously handsome family tho!

12 to 15 in.	B. & B.....	2.25	20.00	175.00
15 to 18 in.	B. & B.....	2.75	22.50	200.00
1½ to 2 ft.	B. & B.....	3.75	32.50	275.00
2 to 2½ ft.	B. & B.....	4.50	40.00	

**lepidolia (indica alba.)**

## Snow Azalea

EVERGREEN. And particularly useful in combination with "hinodegiri," as the large dazzling white flowers appear at the same time. Give it a favored spot, it will pay well.

15 to 18 in.	B. & B.....	3.50	30.00	
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**macrantha.** 3'-4'

## Red Salmon Azalea

EVERGREEN. A low growing form with single red flowers and clean shiny leaves—needs shelter for sure results.

9 to 12 in.	B. & B.....	2.00		
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**mollis.** 4'-5'

## Chinese Azalea

The mass of delicately shaded large bell-shaped flowers running through orange and red tones make a display worth waiting for each May. Succeeds best in sunny place.

12 to 15 in.	B. & B.....	2.25	20.00	
15 to 18 in.	B. & B.....	3.00	27.50	250.00
1½ to 2 ft.	B. & B.....	4.00	35.00	300.00
2 to 2½ ft.	B. & B.....	5.00	45.00	
2½ to 3 ft.	B. & B.....	6.00	52.50	

**mucronulata. (dahuricum)** 5'-6'

## Dahurian Azalea

A welcome sight in March is the exquisitely frilled rosy-purple flowers—in pleasing contrast to the yellow Forsythia.

15 to 18 in.	B. & B.....	2.50	22.50	200.00
1½ to 2 ft.	B. & B.....	3.00	27.50	250.00
2 to 2½ ft.	B. & B.....	4.00	35.00	300.00

**nudiflora.** 6'-7'

## Pinxterbloom

The fragrance of this "wild honeysuckle" quickly betrays its home in light woods where the variable pink flowers are eagerly sought in May. Does well in the open sun too.

15 to 18 in.	B. & B.....	2.00	16.50	135.00
1½ to 2 ft.	B. & B.....	2.50	21.00	180.00
2 to 2½ ft.	B. & B.....	3.00	27.00	225.00
2½ to 3 ft.	B. & B.....	3.75	33.00	300.00
3 to 4 ft.	B. & B.....	5.00	45.00	
4 to 5 ft.	B. & B.....	7.50		

**pontica.** 6'-8'

## Pontic Azalea

A fine old kind with rich yellow trumpet-shaped fragrant flowers borne in clusters at the tips of the bare branches.

9 to 12 in.	B. & B.....	1.50	13.50	
12 to 15 in.	B. & B.....	2.25	20.00	
15 to 18 in.	B. & B.....	3.00		
1½ to 2 ft.	B. & B.....	4.00		
2 to 2½ ft.	B. & B.....	5.00		

**AZALEA****poukhanensis. 4'-5'**

Each   Per 10   Per 100

*Korean Azalea*

Almost a blue Azalea. Fine large blooms sweetly scented scattered over the spreading bush—effective with Forsythia.					
12 to 15 in.	B. & B.....	3.00	27.50	225.00	
15 to 18 in.	B. & B.....	3.75	32.50	275.00	
1½ to 2 ft.	B. & B.....	4.50	40.00	375.00	
2 to 2½ ft.	B. & B.....	5.50	52.50		

**— yodogawa. 4'-5'***Yodogawa Azalea*

In May this bush is actually a dense bouquet of double lavender-pink flowers with no foliage visible at all. Be sure to get the free-flowering type, about this we have been careful.

12 to 15 in.	B. & B.....	2.75	22.50	175.00	
15 to 18 in.	B. & B.....	3.25	27.50		
1½ to 2 ft.	B. & B.....	4.00	37.50		

**rosea. 6'-7'***Downy Pinxterbloom*

Possibly brighter pink and, with us, slightly more compact than "nudiflora," otherwise similar in leaf habit and flower. Thrives best in a slightly shaded moist spot with acid soil.

15 to 18 in.	B. & B.....	2.00	16.50	135.00	
1½ to 2 ft.	B. & B.....	2.50	21.00	180.00	
2 to 2½ ft.	B. & B.....	3.00	27.00	225.00	
2½ to 3 ft.	B. & B.....	3.75	33.00	300.00	
3 to 4 ft.	B. & B.....	5.00	45.00		

**schlippenbachi. 6'-8'***Royal Azalea*

Appropriately named—for this shapely shrub is indeed a regal sight in spring, when the large pink flowers adorn the purple-brown twigs. Even for its autumn effect alone, it is decidedly worthwhile, when the leaves are crimson and gold.

9 to 12 in.	B. & B.....	2.25			
12 to 15 in.	B. & B.....	3.00			

**vaseyi. 10'-12'***Pinkshell Azalea*

A most exquisite thing when the pure pink flowers open in early May—apparently just lightly resting in the bare twigs, its beauty is breath-taking. Happiest on margin of woods.

15 to 18 in.	B. & B.....	3.25	30.00	270.00	
1½ to 2 ft.	B. & B.....	3.75	35.00	300.00	
2 to 2½ ft.	B. & B.....	4.50	40.00	350.00	
2½ to 3 ft.	B. & B.....	5.50	50.00	450.00	
3 to 3½ ft.	B. & B.....	7.50	70.00		

**viscosa. 9'-10'***Swamp Azalea*

Another beautiful native which offers its fragrant white, or occasionally tinged pink flowers in late June. Generally found in boggy woods, but does not object to upland home.

15 to 18 in.	B. & B.....	2.00	16.50	135.00	
1½ to 2 ft.	B. & B.....	2.50	21.00	180.00	
2 to 2½ ft.	B. & B.....	3.00	27.00	225.00	
2½ to 3 ft.	B. & B.....	3.75	33.00	300.00	
3 to 4 ft.	B. & B.....	5.00	45.00	420.00	
4 to 5 ft.	B. & B.....	7.50			

**BENZOIN aestivale. 12'-15'***Spice Bush*

The yellow mist seen along the streams in April is the Benzoin's welcome to Spring and later on you will find loads of glistening scarlet berries, which like the rich foliage are spicily fragrant when crushed. Splendid for naturalizing.

1½ to 2 ft.	.....	.30	2.50	20.00	
2 to 3 ft.	.....	.50	4.00	30.00	
3 to 4 ft.	.....	.60	5.00	40.00	

	Each	Per 10	Per 100
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**BERBERIS aggregata pratti. 8'-10'** *Pratt Barberry*

Numerous bunches of salmon-red fruits make this worthy.

4 to 5 ft. B. & B..... 3.00

**gagnepaini. 4'-5'** *Black Barberry*

EVERGREEN. The spiny edged evergreen leaves are very narrow with pale-green underside. Clusters of bright yellow flowers, preceding the black fruits, are quite noticeable.

12 to 15 in.	B. & B.....	1.00	9.00	80.00
15 to 18 in.	B. & B.....	1.50	12.50	100.00
1½ to 2 ft.	B. & B.....	2.00	18.00	150.00

**iulianae. 6'-7'** *Wintergreen Barberry*

EVERGREEN. A vigorous fellow, rich in color. Deep green lustrous leaves turning vivid scarlet before they fall. Hearty yellow flowers purplish fruits, and in spring the wine stained young shoots top the bush. Half shade or sun, hardy.

5 in. pots	.....	.90	7.50	60.00
1 to 1½ ft.	B. & B.....	1.25	10.00	75.00
1½ to 2 ft.	B. & B.....	2.00	15.00	
2 to 3 ft.	B. & B.....	3.00	25.00	
3 to 4 ft.	B. & B.....	4.50		

**neuberti latifolia (ilicifolia). 5'-6'** *Broad Leaf Barberry*

HALF-EVERGREEN. Dull green holly-like leaves last until January then turn brown. A fine plant for that arid spot.

15 to 18 in .....	1.00	7.50	60.00
1½ to 2 ft.....	1.35	11.00	90.00
2 to 2½ ft.....	2.00	15.00	125.00
2½ to 3 ft.....	2.50	22.50	200.00

**sieboldi. 4'-5'** *Siebold Barberry*

Particularly attractive in spring when the purplish leaves are unfolding and again when they change to a vinous red in autumn. The large shiny red berries retain color 'til spring.

12 to 18 in. B. & B..... 1.25

	Each	Per 10	Per 100	Per 1000
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**thunbergi. 5'-7'** *Japanese Barberry*

Keep the old wood cut out and you will have a wonderful display of berries every year. Good for hedge or border.

12 to 15 in.....	.15	1.20	10.00	90.00
15 to 18 in.....	.20	1.50	12.50	110.00
1½ to 2 ft.....	.25	2.00	15.00	130.00
2 to 2½ ft.....	.30	2.50	20.00	

	Each	Per 10	Per 100
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**— atropurpurea. 5'-6'** *Redleaf Japanese Barberry*

Needs sun to bring out the purple coloring of the foliage.

12 to 15 in.....	.25	2.00	15.00
15 to 18 in.....	.30	2.50	
1½ to 2 ft.....	.40	3.50	
2 to 2½ ft.....	.50	4.00	
2½ to 3 ft.....	.65	5.50	

**— minor. 2'-3'** *Box Barberry*

When used as a close-clipped formal hedge the compact habit is seen to advantage. Similar except in size to thunbergi.

12 to 15 in.....	.35	3.00	25.00
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**BERBERIS**

Each Per 10 Per 100

*triacanthophora. 4'-5'**Threespine Barberry*

EVERGREEN. Really a handsome evergreen shrub. The narrow two inch leaves are surprisingly white underneath and the graceful branching arrangement displays the unusual whitish flowers and black fruits nicely. This has done well with us in hot sun as well as in half-shade, a useful member.

9 to 12 in.	4 in. pots.....	1.00	9.00	80.00
12 to 15 in.	5 in. pots.....	1.50	13.50	120.00
15 to 18 in.	B. & B.....	1.50	13.50	
1½ to 2 ft.	B. & B .....	2.00	15.00	

*vernae. 5'-6'**Vernae Barberry*

From the standpoint of fruits the most beautiful of all the family. The vigorous stems arch over and in June are closely studded with little bunches of rich yellow flowers which give way to the coral-red bloom covered berries bearing down the branches resembling miniature grapes.

4 x 4 ft. spread	B. & B.....	5.00
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*verruculosa. 3'**Warty Barberry*

EVERGREEN. The aristocrat of Barberries, this evergreen develops into a compact mound densely covered with rich lustrous green foliage that reminds one of miniature English Holly leaves with a whitish underside. In spring the branches are strung with little golden cups nodding on half inch threads. These fragrant flowers are followed by bloomy black fruits. A splendid low hedge plant, needs no clipping.

12 to 15 in.	B. & B.....	1.00	8.50	
15 to 18 in.	B. & B.....	1.50	12.50	
4 in. pots 6 to 9 in.....		.75	6.00	50.00
5 in. pots 9 to 12 in.....		.90	7.50	67.50

**BETULA alba. 40'-50'***European White Birch*

Creamy white bark most effective against a background of evergreen. Has charming graceful habit and is most adaptable.

6 to 8 ft.....		1.10	9.00	
8 to 10 ft.....		1.50	13.50	
10 to 12 ft., 1¼ to 1½ in.....		2.25	20.00	
10 to 12 ft., 1½ to 1¾ in.....		3.00	27.00	
12 to 14 ft., 1¾ to 2 in.....		4.00	35.00	
12 to 14 ft., 2 to 2½ in.....		5.25		
14 to 16 ft., 2½ to 3 in.....		6.75		

*— fastigiata. 20'-25'**Columnar White Birch*

Grows amazingly like a Lombardy Poplar and in time forms a dense rugged column of dark green leaves. White bark.

8 to 10 ft.	B. & B.....	6.75	60.00	
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*— laciniata. 30'-40'**Weeping Cutleaf Birch*

Deeply cut leaves and fountain-like arrangement of the drooping branches make this a justly popular lawn subject.

4 to 6 ft.....		1.80	15.00	120.00
6 to 8 ft.....		2.50	21.00	180.00

*lutea. 70'-80'**Yellow Birch*

A good clean tree that makes a splendid practical windbreak.

6 to 8 ft.....		1.50	13.50	
8 to 10 ft.....		2.00	18.00	
10 to 12 ft.....		2.50		

*nigra. 80'-100'**River Birch*

Commonly found growing along river banks, sometimes in clumps. The ragged brown papery bark is quite distinctive.

4 to 6 ft.....		1.25	10.00	75.00
6 to 8 ft.....		1.50	13.50	120.00
8 to 10 ft.....		2.25	20.00	150.00
10 to 12 ft.....		3.25	27.50	
12 to 14 ft.....		4.50	40.00	

**BETULA***papyrifera. 80'-90'*

Each Per 10 Per 100

*Canoe Birch*

The characteristic white bark is not evident until the trunk is three or four inches thick, but it is the cleanest white of all. A handsome long-lived tree common in Adirondack region.

6 to 8 ft.....	1.50	13.50	
8 to 10 ft.....	2.50	22.50	180.00
10 to 12 ft., 1½ to 1½ in.....	3.75	32.50	275.00
10 to 12 ft., 1½ to 2 in.....	4.50	40.00	375.00
12 to 14 ft., 2 to 2½ in.....	6.00	55.00	
12 to 14 ft., 2½ to 3 in.....	7.50		

*populifolia. 35'-40'**Gray Birch*

This "Queen of the Woods" is generally seen in clumps, two or three white trunks rising gracefully from the ground and swaying in the breeze. Small foliage quivers at the slightest breeze. Particularly effective with dark evergreens.

4 to 6 ft. clumps, B. & B....	2.25	20.00	180.00
6 to 8 ft. clumps, B. & B....	3.00	25.00	

**BIGNONIA grandiflora Mad. Gallen.** Vine, 25'-30'

A deeper colored form with great bunches of gorgeous flowers.

2 yr.....	.75	6.00	50.00
3 yr.....	.90	7.00	60.00

*radicans. Vine. 60'-80'**Trumpet Vine*

The striking scarlet trumpets can be seen in most early settlements, sometimes as bush specimens or vast tall vines.

2 yr.....	.60	5.00	
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**BUDDLEIA alternifolia. 8'-10'***Alternate Leaf Buddleia*

Lilac purple flowers literally cover the wide spreading arching branches. Distinct habit, deep green leaves grayish beneath.

2 yr.....	.50	4.50	
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*davidi veitchi 10'-12'.**Butterfly Bush*

Gray-green foliage, rich lavender spikes of flowers and yellow butterflies fluttering above the bush is a typical summer picture from June to September. Apt to die down somewhat in winter, but is larger and better the following year.

2 yr.....	.40	3.50	25.00
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*— Ille de France. 4'-5'**Hybrid Butterfly Bush*

The vivid rosy-purple six inch flower spikes are arresting and being sweetly fragrant insure popularity of this compact shrub.

2 yr.....	.75	6.50	60.00
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**BUXUS sempervirens. 8'-10'***Bush Boxwood*

**EVERGREEN.** In a comparatively short time makes a large round bush densely covered with long generally narrow leaves. Most large boxwood hedges are of this type and it is often readily clipped into odd shapes. Deliciously scented.

12 to 15 in. B. & B.....	.75		
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*— suffruticosa. 5'-6'**Dwarf Boxwood Bush*

**EVERGREEN.** Like wine this beloved plant improves with age, gradually becoming part of the family, and is passed down as an heirloom. In youth it makes good headway, but slows down year by year until it reaches three or four feet, after which it increases imperceptibly. Everyone knows the delicious boxwood smell most apparent in this dwarf kind. The small round deep green leaves withstand city conditions. A dwarf boxwood hedge which can start at three inches is practically a permanent institution.

6 to 8 in. per 1000 250.00..	.40	3.50	30.00
8 to 10 in. very bushy.....	.90	8.00	70.00
10 to 12 in. ....	1.50	13.50	

	Each	Per 10	Per 100
CALLICARPA purpurea. 4'-5'	Chinese Beautyberry		
Little bunches of shiny deep mauve berries are studded along the willowy branches, in Fall an attractive thing for cutting.			

2 to 3 ft..... .50 4.00

<b>CALLUNA vulgaris.</b> Rosc. 4" pots			Heather
— alba. White. 4" pots			White Heather
— alba minor. White. 4" pots			Dwarf Heather
— alba pilosa. White. 4" pots			Silky Heather
— alporti. Deep rose. 4", 5" pots			Alport Heather
— aurea. Pink. 3" pots			Yellowleaf Heather
— compacta. Lavender. 4" pots			Compact Heather
— humilis. White. 4" pots			Low Heather
— rosea. Pink. 4" pots			Pink Heather
— rubra. Dark rose. 3" pots			Red Heather

Quoting a Scottish friend, "A Scottish glen with a background of mountains, the mists clinging to their tops and the purple bloom of the heather sweeping up into the gray tones," what a picture! And these hardy evergreen ground covers on a well-drained sunny slope can be as effective here.

3 in. pots.....	.60	5.00	40.00
4 in. pots.....	.75	6.50	60.00
5 in. pots .....	1.00	8.50	75.00

<b>CALYCANTHUS floridus.</b> 8'-9'		Common Sweet Shrub
Red-brown flowers, foliage and even the peculiar seeds, all give off a spicy fragrance. A neat old-fashioned shrub.		

1½ to 2 ft.....	.40	3.00	25.00
2 to 3 ft.....	.50	4.00	30.00
3 to 4 ft .....	.60	5.00	40.00

<b>CARPINUS betulus.</b> 50'-60'		European Hornbeam
Even a single tree with its blue-gray smooth bark, muscular wood and clean foliage is worth while, but as a hedge plant with brown leaves persisting it excels. Spring planting is best.		

3 to 4 ft.....	1.00	9.00
4 to 5 ft.....	1.25	11.00
5 to 6 ft.....	2.25	20.00
6 to 8 ft.....	3.00	27.00
8 to 10 ft.....	4.50	

<b>CARYOPTERIS incana.</b> 1½'-2'		Blue Spirea
A bushy half herbaceous shrub which covers itself with lacy lavender flowers in September and October. Very effective against the gray-green leaves. Sheltered spot is best.		

2 year .....	.35	2.50	20.00
<b>CEDRUS atlantica glauca.</b> 60'-70'		Blue Atlas Cedar	

EVERGREEN. Silvery-blue needles cover the branches. Grows slowly and should have a favored spot—its worth it.

4 to 5 ft. B. & B.....	7.50	
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<b>libani.</b> 60'-80'		Cedar of Lebanon
Dignity is inherent in this historical old tree. The youthful pyramidal form gradually gives way to a more stately picturesque flat-topped tree with few far reaching horizontal branches. The light green rather short needles are arranged in tufts along the branches.		

6 to 8 ft. B. & B.....	25.00	
<b>CELASTRUS orbiculatus.</b> 30'-35'		Oriental Bittersweet

Can be identified by the brilliant red and yellow fruits being borne in small short stemmed clusters in axils of the leaves.

3 yr .....	.40	3.00	25.00
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Each Per 10 Per 100

**CELASTRUS scandens.** 20'-25' American Bittersweet

Not quite so vigorous or prolific but the long terminal bunches of typical fruits are just as effective as the previous kind.

2 yr ..... .30 2.50

**CEPHALANTHUS occidentalis.** 12'-15' Button Bush

You will find this native growing actually in water where the rich green leaves show off the fuzzy round heads of white flowers to perfection in July and August. Very bushy.

1½ to 2 ft.	.40	3.00	25.00
2 to 3 ft.	.50	4.00	35.00
3 to 4 ft.	.60	5.00	40.00

**CERCIDIOPHYLLUM japonicum.** 70'-80' Katsura Tree

From a slender youth this tree develops into a magnificent spreading tree at maturity. Purple tinged heart shaped foliage is beautiful in spring and again in golden autumn dress.

6 to 8 ft.	3.50	30.00
8 to 10 ft.	4.50	40.00
10 to 12 ft.	6.00	55.00

**CERCIS canadensis.** 20'-25' American Redbud

Small rosy pink pea shaped flowers almost cover the bare branches in April. Beautiful with cedars and dogwood.

3 to 4 ft.	.60	5.50
4 to 5 ft.	.80	7.00
5 to 6 ft.	1.00	

**chinensis.** 10'-12' Chinese Redbud

A more shrubby relative with larger flowers of a slightly darker rosy purple shade. Good foliage too. Early April.

1½ to 2 ft.	.60	5.00
3 to 4 ft.	.90	8.00

**CHAMAECYPARIS (RETINOSPORA).** ALL EVERGREEN**obtusa.** 30'-35' Hinoki Cypress

Lustrous deep green foliage on rather open fronds. A graceful bushy pyramid here but a timber tree in Japan.

4 to 5 ft.	B. & B.....	4.50	40.00
5 to 6 ft.	B. & B.....	6.00	
6 to 7 ft.	B. & B.....	8.25	

**— compacta.** 3'-4' Football Cypress

Almost spherical; useful for formal work and foundation planting. Retains good color all winter and "wears" well.

12 to 15 in.	B. & B.....	1.25	10.00	75.00
15 to 18 in.	B. & B.....	1.75	15.00	120.00
1½ to 2 ft.	B. & B.....	2.00	17.50	150.00
2 to 2½ ft.	B. & B.....	2.75	22.50	200.00
2½ to 3 ft.	B. & B.....	4.00	35.00	300.00
3 to 3½ ft.	B. & B.....	6.00	52.50	

**— crippsi.** 8'-10' Cripps Golden Cypress

Probably the brightest yellow form; grows slowly. Hardy.

15 to 18 in.	B. & B.....	2.00	15.00	125.00
1½ to 2 ft.	B. & B.....	2.50	20.00	165.00
2 to 2½ ft.	B. & B.....	3.00	25.00	225.00
2½ to 3 ft.	B. & B.....	4.00	35.00	300.00
3 to 4 ft.	B. & B.....	5.00	45.00	400.00
4 to 5 ft.	B. & B.....	6.75	60.00	

**— filicoides.** 8'-10' Fernspray Cypress

The leaf covered branchlets are so arranged as to resemble fern fronds: an unusual kind, worthy of a spot in rock garden.

12 to 15 in.	B. & B.....	2.25	20.00
15 to 18 in.	B. & B.....	2.75	25.00
1½ to 2 ft.	B. & B .....	3.50	

	Each	Per 10	Per 100
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**CHAMAECYPARIS (RETINOSPORA) ALL EVERGREEN**  
***obtusa gracilis. 12'-15'*** *Slender Hinoki Cypress*

Particularly fine rich blackish green foliage; slowly grows into a rugged pyramid. Makes a handsome hedge. Hardy.

15 to 18 in.	B. & B.....	2.25	20.00	150.00
1½ to 2 ft.	B. & B.....	3.00	25.00	200.00
2 to 2½ ft.	B. & B.....	4.00	35.00	300.00
2½ to 3 ft.	B. & B.....	5.00	45.00	400.00
3 to 4 ft.	B. & B.....	6.75	60.00	525.00
4 to 5 ft.	B. & B.....	8.25	75.00	

— *aurea. 10'-12'* *Yellowtip Hinoki Cypress*

This golden leaved form grows more slowly and irregular.

3 to 4 ft.	B. & B.....	7.50
4 to 5 ft.	B. & B.....	10.00

— *compacta. 6'-8'* *Compact Hinoki Cypress*

A curious "Japanese" form slender in outline; closely packed foliage and twisted branchlets make this quite a distinct "find."

15 to 18 in.	B. & B.....	3.00	27.50	225.00
1½ to 2 ft.	B. & B.....	4.00	35.00	
3 to 4 ft.	B. & B.....	7.50		
5 to 6 ft.	B. & B.....	15.00		

— *nana. 2'-3'* *Dwarf Hinoki Cypress*

Because it is slow growing the Japanese use this variety most effectively in pots. It soon assumes the character of age, preserving the rich green coloring. Dwarfest and most compact of all Cypress, therefore most useful in rock gardens.

3 to 6 in.	B. & B.....	1.75	15.00	120.00
6 to 9 in.	B. & B.....	2.25	20.00	175.00
9 to 12 in.	B. & B.....	2.75	25.00	225.00
12 to 15 in.	B. & B.....	3.25		

— *youngi. 20'-25'* *Young Golden Cypress*

Has a loose graceful habit and yellow tipped branchlets. Resembles a hemlock from a little distance. A handsome form.

2 to 3 ft.	B. & B.....	3.50	30.00	275.00
3 to 4 ft.	B. & B.....	4.50	40.00	
4 to 5 ft.	B. & B.....	6.00	55.00	
5 to 6 ft.	B. & B.....	7.50	67.50	
6 to 7 ft.	B. & B.....	12.00		
7 to 8 ft.	B. & B.....	15.00		
8 to 10 ft.	B. & B.....	18.00		

*pisifera. 40'-50'* *Sawara Cypress*

Quickly develops into loose pyramid: hardest of the family.

2 to 2½ ft.	B. & B.....	1.50	13.50	120.00
2½ to 3 ft.	B. & B.....	2.00	18.00	150.00
3 to 4 ft.	B. & B.....	2.75	22.50	200.00
4 to 5 ft.	B. & B.....	3.50	30.00	270.00
5 to 6 ft.	B. & B.....	5.00	45.00	400.00
6 to 7 ft.	B. & B.....	7.50		
7 to 8 ft.	B. & B.....	9.00		

— *aurea. 35'-40'* *Golden Sawara Cypress*

Foliage is shining yellow. A better specimen than the green type.

2 to 2½ ft.	B. & B.....	1.50	13.50	120.00
2½ to 3 ft.	B. & B.....	2.00	18.00	150.00
3 to 4 ft.	B. & B.....	2.75	22.50	200.00
4 to 5 ft.	B. & B.....	3.50	30.00	270.00
5 to 6 ft.	B. & B.....	5.00	45.00	400.00
6 to 7 ft.	B. & B.....	7.50	67.50	
7 to 8 ft.	B. & B.....	9.00		
8 to 10 ft.	B. & B.....	12.00		

Each Per 10 Per 100

**CHAMAECYPARIS (RETINOSPORA) ALL EVERGREEN****pisifera filifera. 20'-25'****Thread Cypress**

Has long stringy drooping branches, but forms well shaped compact broad pyramid of a good green shade. Even without care remains in good condition indefinitely. Good spot plant.

1½ to 2 ft.	B. & B.....	1.25	10.00	75.00
2 to 2½ ft.	B. & B.....	1.50	12.50	90.00
2½ to 3 ft.	B. & B.....	2.25	20.00	150.00
3 to 4 ft.	B. & B.....	3.00	27.50	225.00
4 to 5 ft.	B. & B.....	4.50	40.00	375.00
5 to 6 ft.	B. & B.....	6.00	52.50	
6 to 7 ft.	B. & B.....	8.25		

**— aurea. 10'-15'****Golden Thread Cypress**

This form grows more loosely, but the golden threads are brighter than any other evergreen. Stays low until a good age.

15 to 18 in.	B. & B.....	1.50	12.50	100.00
1½ to 2 ft.	B. & B.....	2.25	20.00	150.00
2 to 2½ ft.	B. & B.....	3.00	27.00	225.00
2½ to 3 ft.	B. & B.....	4.00	35.00	300.00
3 to 4 ft.	B. & B.....	5.25	48.00	400.00
4 to 5 ft.	B. & B.....	7.50	67.50	
5 to 6 ft.	B. & B.....	10.00		

**— aureo-variegata. 10'-12' Variegated Thread Cypress**

The half green, half yellow coloring is not so remarkable, but its billowy outline gives it rugged age-old individuality.

15 to 18 in.	B. & B.....	1.25	10.00	90.00
1½ to 2 ft.	B. & B.....	2.00	18.00	165.00
2 to 2½ ft.	B. & B.....	3.00	27.00	225.00
2½ to 3 ft.	B. & B.....	4.50	40.00	
3 to 3½ ft.	B. & B.....	6.00	52.50	
3½ to 4 ft.	B. & B.....	9.00		

**— plumosa. 35'-40'****Plume Cypress**

A feathery pyramid that can be sheared into formal shapes. It makes a good hedge where a close fine texture is called for.

2 to 2½ ft.	B. & B.....	1.50	13.50	120.00
2½ to 3 ft.	B. & B.....	2.00	18.00	150.00
3 to 4 ft.	B. & B.....	2.75	22.50	200.00
4 to 5 ft.	B. & B.....	3.50	30.00	270.00
5 to 6 ft.	B. & B.....	5.00	45.00	400.00
6 to 7 ft.	B. & B.....	7.50	67.50	
7 to 8 ft.	B. & B.....	9.00		
8 to 10 ft.	B. & B.....	12.00		

**— aurea. 25'-30'****Golden Plume Cypress**

Quite a favorite for high lights in a mixed planting. The yellow foliage is particularly bright in spring. Easily trimmed.

1½ to 2 ft.	B. & B.....	1.20	10.00	90.00
2 to 2½ ft.	B. & B.....	1.50	13.50	120.00
2½ to 3 ft.	B. & B.....	2.00	18.00	150.00
3 to 4 ft.	B. & B.....	2.75	24.00	210.00
4 to 5 ft.	B. & B.....	4.00	36.00	330.00
5 to 6 ft.	B. & B.....	6.00	55.00	500.00
6 to 7 ft.	B. & B.....	9.00	82.50	

**— lutescens. 3'-4'****Dwarf Yellow Plume Cypress**

A low broad round topped bush, sulphur tipped branches.

12 to 18 in.	B. & B.....	2.00	15.00	135.00
1½ to 2 ft.	B. & B.....	2.75	25.00	225.00
2 to 2½ ft.	B. & B.....	3.75	35.00	
2½ to 3 ft.	B. & B.....	5.25		

Each Per 10 Per 100

**CHAMAECYPARIS (RETINOSPORA) ALL EVERGREEN**  
**pisifera plumosa nana. 2'** **Dwarf Plume Cypress**

This neat compact little cushion of green looks at home in a rock garden or even when planted formally. Remains dwarf.

12 to 15 in.	B. & B.....	1.75	15.00	125.00
15 to 18 in.	B. & B.....	2.75	22.50	200.00
1½ to 2 ft.	B. & B.....	3.75	35.00	
2 to 2½ ft.	B. & B.....	5.25		

**— squarrosa nana. 2'** **Dwarf Moss Cypress**

Looks exactly what it is, a stunted form of Moss cypress.

2 to 2½ ft.	B. & B.....	3.75		
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**— — veitchi. 25'-30'** **Veitch Moss Cypress**

Which is a remarkable plant. The blue-gray foliage and intricate branchlets combine to make a dense, broad woolly pyramid. Quite a billowy tree in age. Apt to sun-scald.

1½ to 2 ft.	B. & B.....	1.25	10.00	
2 to 2½ ft.	B. & B.....	1.75	15.00	
2½ to 3 ft.	B. & B.....	2.25	20.00	
3 to 4 ft.	B. & B.....	3.00	27.50	
4 to 5 ft.	B. & B.....	4.50		

**CHIMAPHILA maculata. 6"-8"** **Pipsissewa**

EVERGREEN. Essentially a shady woods plant where it revels in leaf mold, but soon establishes a home in a shady pocket in the rock garden. The handsome long narrow leaves are beautiful, marbled white with purple tinges throughout, and the loveliest white saucers are held up on long stems.

4" Pots.....	.50	4.00	35.00	
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**CHIONANTHUS virginica. 20'-25'** **White Fringe**

Loose tassels of fragrant white flowers are effective against the bold dark green foliage; really handsome for "dominant" spots. Dark purple plum-like fruits are quickly eaten by birds.

2 to 3 ft.....	.60	5.00	40.00	
3 to 4 ft.....	.85	7.50	60.00	
4 to 5 ft.....	1.25	11.00	90.00	
5 to 6 ft.....	1.50	13.50		

**CLADRASTIS lutea. 40'-50'** **Yellow-wood**

Has loose bunches of fragrant white pea-shaped flowers in June. The clear yellow autumn coloring is striking, too.

3 to 4 ft.....	2.00	15.00	135.00	
4 to 6 ft.....	3.00	27.50	225.00	
6 to 8 ft.....	3.50			

**CLEMATIS paniculata. Vine, 25'-30'** **Sweet Autumn Clematis**

The sweet September fragrance of this old favorite indicates its presence long before the flower-laden vine is seen; and the feathery seeds are also decorative. Belongs to the home.

2 yr.....	.40	3.00	25.00	
3 yr.....	.60	4.50	35.00	

**CLETHRA alnifolia. 7'-8'** **Summer Sweet**

Useful for damp woodlands where the erect white flower spikes spice the air with a "peppery" odor all summer. Will grow contentedly even in poor soil or sun, best in half shade.

1½ to 2 ft.....	.45	3.50	30.00	
2 to 3 ft.....	.50	4.50	40.00	
3 to 4 ft .....	.60	5.50	50.00	

	Each	Per 10	Per 100
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*Bladder Senna*

**COLUTEA arborescens.** 10'-12'

So called because the reddish seed pods are inflated, which follow the small bright yellow pea blossoms. Interesting.

3 to 4 ft.....	.50	4.00
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**CORNUS alba (sibirica.)** 8'-10'

**Coral Dogwood**

Grows vigorously in moist places, where the vivid red bark is strikingly evident throughout winter, particularly if used with the yellow twig form. Birds quickly eat the berries.

2 to 3 ft.....	.45	3.50	25.00
3 to 4 ft.....	.60	5.00	40.00
4 to 5 ft.....	.75	6.00	

**alternifolia.** 15'-20'

**Pagoda Dogwood**

Too seldom used, this handsome shrub is full of character, with flat spreading tiers of branches creating deep shadows.

2 to 3 ft.....	.60	5.00
3 to 4 ft.....	.75	6.50

**amomum.** 8'-10'

**Silky Dogwood**

In autumn the bluish fruits are most ornamental, and even in winter the purplish branches give color. Good for massing, particularly in swampy areas. Has large silky foliage.

2 to 3 ft.....	.45	3.50
3 to 4 ft.....	.60	5.00

**controversa.** 25'-30'

**Giant Dogwood**

Rarely seen and of no outstanding merit although the blue-black berries are quite large and it develops character with age.

4 to 5 ft.....	1.20	10.00
5 to 6 ft.....	1.80	15.00

**florida.** 25'-30'

**White Flowering Dogwood**

Surely everyone knows this splendid tree. Nothing is so spectacularly beautiful in spring as the banks of white flowers that border the woods. Then the profusion of glittering red berries and finally the brilliant autumn display of rich coloring, pink, crimson, scarlet, maroon. And in winter the twiggy intricate branch system forms a lacy network full of interest and beauty. Very adaptable and transplants readily.

3 to 4 ft.....	.90	7.50	60.00
4 to 5 ft.....	1.50	12.00	90.00
5 to 6 ft. B. & B.....	2.25	20.00	180.00
6 to 8 ft. B. & B.....	3.00	27.00	240.00
8 to 10 ft. B. & B.....	5.25	48.00	
10 to 12 ft. B. & B.....	7.50		

**— rubra.** 25'-30'

**Red Flowering Dogwood**

Substitute pink flowers and you can imagine what a gorgeous effect can be made by using this form either alone or with the white type. Splendid free flowering specimens.

2 to 3 in. B. & B.....	1.50	13.50	120.00
3 to 4 ft. B. & B.....	2.25	20.00	180.00
4 to 5 ft. B. & B.....	3.75	32.50	275.00
5 to 6 ft. B. & B.....	6.00	52.50	480.00
6 to 7 ft. B. & B.....	7.50	67.50	600.00
7 to 8 ft. B. & B.....	12.00	110.00	
8 to 9 ft. specimens, B. & B.....	18.00		

**kousa.** 15'-20'

**Kousa Dogwood**

In this Japanese counterpart of our dogwood the white flowers are borne after the leaves have expanded and thus lengthens the "Dogwood season." Large crimson strawberry-like fruits are attractive to humans and birds alike.

2 to 3 ft. B. & B.....	1.00	9.00	75.00
3 to 4 ft. B. & B.....	1.50	13.50	120.00
4 to 5 ft. B. & B.....	2.10	18.00	
5 to 6 ft. B. & B.....	2.70	24.00	
6 to 8 ft. B. & B.....	3.30	30.00	

**CORNUS kousa chinensis. 15'-20'** *Chinese Dogwood*

Has still larger flowers; and don't the birds relish the fruits!

2 to 3 ft.	B. & B.....	1.00	9.00	75.00
3 to 4 ft.	B. & B.....	1.50	13.50	120.00
4 to 5 ft.	B. & B.....	2.10	18.00	
5 to 6 ft.	B. & B.....	2.75	24.00	
6 to 8 ft.	B. & B.....	3.30		

**mas. 15'-20'***Cornelian Cherry*

Generally the first shrub to show color in spring when the twiggy branches are covered in a yellow mist that gradually becomes brighter. Later the cherry-like fruits are attractive and palatable. Should be used extensively in border plans.

2 to 3 ft.....	.90	8.00	70.00
3 to 4 ft.....	1.20	10.00	90.00
4 to 5 ft.....	1.80	15.00	135.00
5 to 6 ft.....	2.50	22.50	

**paniculata. 10'-12'***Gray Dogwood*

Here is the massing shrub "par excellence." Bordering swampy sections great mounds can be seen with the myriad clusters of white berries on red stems adding color to the countryside. A splendid foliage mass. Good in upland too.

1½ to 2 ft.....	.45	3.50	
2 to 3 ft.....	.60	5.00	40.00
3 to 4 ft.....	.70	6.00	50.00
4 to 5 ft.....	.90		

**stolonifera. 8'-10'***Red Osier Dogwood*

Valued chiefly for its bright red twigs, a welcome note in the dull winter landscape. Severe annual pruning will bring out the color. Will form a thicket eventually. Loves moisture.

2 to 3 ft.....	.40	3.00	
— <i>flaviramea. 6'-8'</i>			

*Goldentwig Dogwood*

Surprisingly bright yellow bark brightens any corner where this fellow is planted. Smaller than, but good with red osier.

2 to 3 ft.....	.55	4.50	
3 to 4 ft.....	.75	6.00	

**COTONEASTER acutifolia. 8'-10'***Pekin Cotoneaster*

So hardy that in the colder middle west this shrub is used extensively as a hedge plant, and it has just the right spreading twiggy habit to show off the numerous black berries.

2 to 3 ft.....	.60	5.00	40.00
3 to 4 ft.....	.70	6.00	50.00

**adpressa. 9"-12"***Creeping Cotoneaster*

Decidedly a rock plant, where the creeping branches weave in and around intricately, forming an interesting mound. The glossy dark green wavy leaves show off the large bright red berries to perfection. Must have a sunny spot.

3 in. pots.....	.75	6.00	50.00
4 in. pots.....	1.50	13.50	

**apiculata. 4"-5"**

Graceful spreading branches, shiny foliage, flowers tinged pink, and large bright red fruits—surely a handsome fellow.

4 in. pots.....	1.50	13.50	
— <i>dammeri. 12"-15"</i>			

*Dammer Cotoneaster*

EVERGREEN. Long branches trail along the ground rooting where they touch, are scantily clothed with inch long roundish dark green leaves. Bright red fruits, evergreen foliage and prostrate habit make this a rock garden favorite.

3 in. pots.....	.75	6.00	50.00
5 in. pots.....	1.50	13.50	

<b>COTONEASTER</b>		<b>Each</b>	<b>Per 10</b>	<b>Per 100</b>
<i>dielsiana. (applanata)</i>	5'-6'			Diel's Cotoneaster
Has slender arching branches, pinkish flowers and small foliage. Bright red fruits add to its beauty.				
4 in. pots.....		.90	7.50	
<i>divaricata.</i> 4'-6'				Spreading Cotoneaster
When studded with scarlet fruits, this shrub justifies a choice position. Vigorous and spreading with good clean foliage. Another little-known gem, useful as a hedge or specimen.				
1 to 1½ ft.	B. & B.....	.90	7.50	
1½ to 2 ft.	B. & B.....	1.50	12.50	110.00
2 to 2½ ft.	B. & B.....	2.00	18.00	
<i>foveolata.</i> 8'-10'				Pitted Cotoneaster
A big fellow with splendid autumn dress, which shows off the glittering black berries. Has interesting irregular growth.				
3 in. pots.....		.75	6.00	
<i>horizontalis.</i> 2'-3'				Rock Cotoneaster
HALF EVERGREEN. The flat spray-like branches make an ideal cover for rocks or bank, especially when the deep green box-like leaves are bejewelled with the scarlet berries. Full open sunny place is best. Rather difficult to transplant.				
3 in. pots.....		.75	6.00	50.00
— <i>perpusilla.</i> 1'-2'				Dwarf Rock Cotoneaster
HALF EVERGREEN. Smaller and neater than its parent, but even more effective in rock work. The bright red berries are generally larger, leaves are smaller, but more numerous.				
4 in. pots.....		1.25	10.00	75.00
<i>hupehensis.</i> 5'-6'				Hupeh Cotoneaster
really a handsome flowering shrub, the willowy branches forming garlands of white in June and then are weighted down with numerous red fruits. Leaves yellow in August.				
4 in. pots.....		1.50	13.50	
<i>racemiflora soongarica.</i> 6'-7'				Coral Fruited Cotoneaster
When seen in full fruit, this lovely shrub never fails to excite admiration and cause superlative adjectives. The wide spreading branches are just loaded with coral berries, contrasting vividly with the round gray-green leaves. Plant in open and give space to develop, at least six feet apart.				
2 to 3 ft.	B. & B.....	2.25	20.00	
<i>rotundifolia.</i> 6'-7'				Roundleaf Cotoneaster
HALF EVERGREEN. Red berries in galore, clean attractive foliage and easily grown; there is no good reason why this shrub should not be extensively planted. Good for hedges.				
4 in. pots.....		.75	6.50	
<i>salicifolia floccosa.</i> 8'-10'				Willowleaf Cotoneaster
EVERGREEN or practically so, the long slender leaves are dark green above, lighter beneath, and show off the red berries beautifully. Surely a most graceful spreading shrub.				
4 in. pots.....		1.50	13.50	120.00
<i>zabeli miniata.</i> 4'-6'				Zabel Cotoneaster
It is difficult to visualize any shrub that fruits more profusely. The slender spreading branches become garlands of vivid red berries which are effectively contrasted by the yellow autumn foliage. Easily grown and a beauty.				
1 to 1½ ft.	B. & B.....	1.20	10.00	90.00
1½ to 2 ft.	B. & B.....	1.50	13.50	

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**CRATAEGUS carrieri. 15'-20'** *Carrier Hawthorn*

Very large round orange-red fruits persist nearly all winter.  
Has distinctive gray bark; open growth and rather round head.

3 to 4 ft.	B. & B.....	1.50	13.50	
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**coccinea. 10'-12'** *Thicket Hawthorn*

That is right, a real thicket shrub, for the intricate maze of branches forms a veritable barrier. The white May-flowers are large and give place to rather dull brown-red berries. Shiny bright green foliage is almost oval, good till late fall.

3 to 4 ft.....		1.25	11.00	90.00
4 to 5 ft.....		1.50	13.50	125.00
5 to 6 ft.....		2.25	20.00	
6 to 8 ft. B. & B .....		3.60		

**cordata. 20'-25'** *Washington Thorn*

Beginning in May with white flowers followed by brilliant scarlet fruits which last nearly all winter, and throughout its pageant of autumn color this is interesting and beautiful.

4 to 5 ft. B. & B.....	2.00	18.00	150.00	
5 to 6 ft. B. & B.....	3.00	27.00		

**crusgalli. 20'-25'** *Cockspur Thorn*

Apart from the mass of white flowers, this Thorn is valuable for the shiny rich green leaves that stay fresh until late autumn, then turn orange. If left by birds, some fruits will persist until spring. A practical hedge, an interesting tree.

3 to 4 ft.....	1.25	11.00	90.00	
4 to 5 ft.....	1.50	13.50	125.00	
5 to 6 ft.....	2.25	20.00		

**mollis. 20'-25'** *Downy Hawthorn*

Has large light green thin leaves, showy white red-centered flowers, scarlet pear-shaped fruits. Vigorous and ornamental.

3 to 4 ft.....	1.25	11.00	90.00	
4 to 5 ft.....	1.50	13.50	125.00	
5 to 6 ft.....	2.25	20.00	175.00	
6 to 8 ft. B. & B.....	3.25	30.00	270.00	
8 to 10 ft. specimens, B. & B.....	5.25	48.00		
10 to 12 ft. specimens, B. & B.....	7.50			

**pedicellata. 15'-18'**

Has rather large shiny scarlet fruits somewhat pear-shaped and handsome dark green leaves.

2 to 3 ft. B. & B.....	1.35	12.00	90.00	
3 to 4 ft. B. & B.....	1.80	15.00		
4 to 5 ft. B. & B.....	2.25			

**oxycantha. 20'-25'** *English Hawthorn*

In England this "May-Tree" is often used for hedging, but the clusters of large fragrant white flowers with their elusive fragrance and red berries make it worthy of general planting.

3 to 4 ft.....	.75	6.00	50.00	
4 to 5 ft.....	1.00	8.50	75.00	
5 to 6 ft.....	1.35	12.00	105.00	
6 to 8 ft. B. & B .....	2.70	24.00	210.00	
8 to 10 ft. B. & B.....	3.75			

**— Double White, — Double Pink, — Paul's Scarlet.**

Double flowering forms that have been perpetuated because of the freedom with which they produce their blossoms.

3 to 4 ft. (no white).....	2.00	15.00	125.00	
4 to 5 ft. (no white).....	2.25	20.00	150.00	
5 to 6 ft. (no white).....	2.75	25.00	200.00	
6 to 8 ft. B. & B.....	4.50	40.00		
8 to 10 ft. (white only) B. & B.....	7.50			

**CRYPTOMERIA****— lobbi.** 50'-60'

Each Per 10 Per 100

*Lobb Cryptomeria*

EVERGREEN. For this section undoubtedly the best form. It makes an irregular column of dark green, which changes to a warm purple bronze in winter. It wears so well that it has been most effectively used to replace native cedars that succumb to civilization. It is difficult to imagine any tree that has more dignity and inherent character than this. An avenue of large trees creates a most inspiring effect. A warm, moist, well-drained spot is ideal; grows late in fall.

4 to 5 ft.	B. & B.....	4.50	40.00
5 to 6 ft.	B. & B.....	6.00	55.00
6 to 7 ft.	B. & B.....	8.50	75.00
7 to 8 ft.	B. & B.....	11.00	100.00
8 to 9 ft.	B. & B.....	13.50	120.00
9 to 10 ft.....		18.00	

**CYDONIA japonica.** 3'-4'*Flowering Quince*

Quite unnoticed until the dazzling scarlet pageant of flowers arrests your attention in early spring. Seedling plants vary in color, and the fruits are spicily fragrant. Makes good hedge.

1 to 1½ ft.....		.40	3.00	25.00
1½ to 2 ft.....		.50	4.00	30.00
2 to 2½ ft.....		.60	5.00	40.00
2½ to 3 ft.....		.75		

**— alpina.** 1'-2'*Alpine Quince*

A slow growing almost prostrate form with pink flowers.

12 to 18 in.....		.75	6.50
2½ to 3 ft. B. & B.....		3.00	

**— grandiflora.** 3'-4'

Cream colored flowers variegated with pink—quite a novelty.

2½ to 3 ft. B. & B.....		3.00
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**— nivalis.** 3'-4'*White Flowering Quince*

The best white form with large flowers freely produced.

1½ to 2 ft.....		1.20
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**maulei.** 2'-3'*Lesser Flowering Quince*

If brilliancy is desired this low spiny bush ranks high for the vivid red flowers are remarkable in April. Try training this and other varieties on a south wall—surprisingly good.

1½ to 2 ft.....		.75	6.00
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**CYTISUS scoparius** 5'-6'*Scotch Broom*

The long slender bright green branches are always conspicuous particularly when the pea-shaped yellow flowers are strung them in spring.

5 in. pots 1½ to 2 ft.....		.75	6.00
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**DAPHNE cneorum.** 1'*Rose Daphne*

EVERGREEN. Gray-green foliage, rose-pink deliciously fragrant flowers and a clean, neat habit make this garden gem the most appealing subject to any plant lover. Seems to thrive equally well in acid or sweet soil, in half shade or full sun, and it certainly seems at home in the rock garden.

9 to 12 in. B. & B.....		1.20	10.50	90.00
12 to 15 in. B. & B.....		1.80	15.00	135.00

**DEUTZIA gracilis.** 3'-4'*Slender Deutzia*

One of the most useful of all low shrubs. A profusion of snow white flowers cover the round topped bush in May.

1½ to 2 ft .....		.50	4.00	30.00
2 to 2½ ft .....		.60	5.00	

**— rosea.** 3'*Rose Panicle Dentzia*

The pinkish flowers are an added attraction to the neat habit.

1½ to 2 ft.....		.50	4.00
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## DEUTZIA

Each Per 10 Per 100

*lemoinei. 4'-5'**Lemoine Deutzia*

Large dazzling white flowers are produced in amazing abundance making a "high spot" in June.

1½ to 2 ft.....	.35	3.00
2 to 3 ft.....	.45	3.50

*magnifica. 6'-8'**Showy Deutzia*

Really magnificent in bloom, has great clusters of white flowers, more showy and desirable than any other variety.

2 to 3 ft.....	.40	3.00	25.00
3 to 4 ft.....	.50	4.00	30.00
<b>scabra crenata. 6'-7'</b>			
<i>Scallop leaf Deutzia</i>			

Rather stiff branches set off the pinkish fringed flowers.

3 to 4 ft.....	.50	4.00	30.00
4 to 5 ft.....	.60		

*— Pride of Rochester. 8'-9'**Pink Deutzia*

Deservedly popular, this husky fellow produces clouds of tassel-like flowers in May which last for some weeks. The usual blush coloring sometimes deepens to a real pink.

2 to 3 ft.....	.40	3.00
3 to 4 ft.....	.50	4.00
4 to 5 ft.....	.60	

*DIERVILLA trifida. 3'-4'**Dwarf Bush Honeysuckle*

So called because the yellow mid-summer flowers somewhat resemble the honeysuckle. In landscape planting it is a most useful low bush for shade, where autumn color shows well. Soon forms a sightly mass by underground stems.

1 to 1½ ft .....	.50	4.50	40.00
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*ELAEAGNUS longipes. 5'-6'**Gumi - Cherry Eleagnus*

Hot dry sunny place seems to perfect this shrub. Except for their fragrance the yellow flowers might be unnoticed, but the long stemmed orange-red fruits are most decorative.

1½ to 2 ft.....	.50	4.00	30.00
2 to 3 ft.....	.60	5.00	40.00
3 to 4 ft .....	.75	6.50	55.00
4 to 5 ft.....	1.00	9.00	

*pungens reflexa. 10'-12'**Thorny Eleagnus*

EVERGREEN. When established will successfully brave our winters and is certainly worthy of trial. The wavy rich green two or three inch leaves are brown, scaly beneath, and the small clusters of silvery flowers are "scented before seen" followed by decorative orange fruits.

2 to 2½ ft.      B. & B.....	2.25
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*umbellata. 8'-10'**Autumn Eleagnus*

The oval scarlet fruits are most striking in September against the silver foliage.

3 to 4 ft.....	.60
4 to 5 ft.....	.75
5 to 6 ft.....	1.00

*ENKIANTHUS campanulatus. 12'-15'**Redvein Enkianthus*

Something to enthuse over! Without artificial shaping will develop into a handsome large shrub well clothed with clean foliage which turns brilliant red in fall. Bunches of nodding flowers are borne on the whorled branches, and these red-veined white cups are quite unlike any other flower.

2 to 2½ ft.      B. & B.....	3.75
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*ERICА carnea. 10"-12"**Spring Heath*

EVERGREEN. Opening in early spring, the bright rosy-pink flowers persist for months, surely a most striking thing.

3 in. pots.....	.60	5.00	40.00
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		Each	Per 10	Per 100
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**EUONYMUS alatus.** 7'-8'*Winged Euonymus*

Pink and crimson in autumn, interesting corky branches in winter, this handsome interesting shrub is all too little known.

2 to 3 ft.....	.50	4.50	40.00
3 to 4 ft.....	.75	6.00	55.00
4 to 5 ft.....	1.00	9.00	80.00
5 to 6 ft.....	1.50	13.50	

**patens.** 8'-10'*Spreading Euonymus*

HALF-EVERGREEN. If in doubt plant this shrub—it seems contented in all places and conditions. The glossy 3-inch wavy leaves become stained with purple as autumn progresses and the orange fruits hang on almost until spring. Makes a broad round specimen, perfectly shaped for hedges.

1½ to 2 ft.	B. & B.....	.90	7.50
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**radicans.** Vine, 15'-20'*Wintercreeper*

EVERGREEN. Makes good cover for wall or ground.

2 yr.....	.40	3.00	25.00
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— **carrieri.** 3'-4'*Glossy Wintercreeper*

EVERGREEN. Large shiny leaves mark this brisk grower as quite distinct. Will make a fine hedge, but rarely fruits.

2 yr.....	.35	3.00
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— **coloratus.** 4'-6'*Purple Wintercreeper*

EVERGREEN. For a ground cover in shade there are few things to equal this. The long narrow leaves are rosy-purple underneath and the veins pencilled in gray. Most adaptable.

2 yr.....	.40	3.00	25.00
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— **minimus.** 3'*Baby Wintercreeper*

EVERGREEN. Tiny leaves, pencilled in gray, are daintily arranged along the climbing vines, which grow vigorously to their appointed stature; then age. Useful for rock gardens.

3 in. pots.....	.40	3.50
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— **vegetus.** Vine, 12'-15'*Bigleaf Wintercreeper*

EVERGREEN. Generally conceded to be the most reliable self-clinging evergreen vine in the north. From the shrubby bush long basal shoots climb on almost any support. Has thick dull green round leaves and orange fruits in profusion.

2 yr.....	.40	3.00	25.00
3 yr.....	.50	4.00	30.00

**EVODIA chinensis.** 20'-25'*Evodia*

A small tree with compound leaves, tiny pinkish white flowers in small clusters followed by reddish seed pods. Scarce.

1½ to 2 ft.....	.60	5.00
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**EXOCHORDA grandiflora.** 8'-10'*Pearl Bush*

During May the dazzling whiteness of the lovely frail-looking flowers always attract attention. Annual pruning improves.

2 to 3 ft.....	.40	3.60
3 to 4 ft.....	.50	4.50

**FAGUS americana.** 80'-100'*American Beech*

Grows slowly, but a handsome native, whose clean gray-barked trunks are familiar in light woods. Prefers well drained alkaline soil and spring planting. Truly a beautiful tree.

2 to 3 ft.	B. & B.....	2.00	18.00	150.00
3 to 4 ft.	B. & B.....	2.50	22.50	210.00
4 to 5 ft.	B. & B.....	3.25	30.00	
5 to 6 ft.	B. & B.....	5.25		
6 to 7 ft.	B. & B.....	7.50		

	Each	Per 10	Per 100
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**FAGUS sylvatica. 80'-100'****European Beech**

Has smaller darker leaves and grows even more slowly than the native. Likes similar treatment, shade while young.

2 to 3 ft.	B. & B.....	2.00	18.00	150.00
3 to 4 ft.	B. & B.....	2.50	22.50	210.00
4 to 5 ft.	B. & B.....	3.25	30.00	
5 to 6 ft.	B. & B.....	5.25		

**— asplenifolia. 60'-70'****Fernleaf Beech**

Well named for the deeply cut long narrow graceful leaves.

2 to 3 ft.	B. & B.....	3.50	30.00	
3 to 4 ft.	B. & B.....	4.50	40.00	
4 to 5 ft.	B. & B.....	6.50	60.00	
5 to 6 ft.	B. & B.....	9.00		

**— fastigiata. 40'-50'****Upright Beech**

Not considering time this would be an excellent substitute for the Lombardy Poplar. Inspiring when mature. Scarce.

1½ to 2 ft	B. & B.....	2.75	22.50	
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**— pendula. 50'-60'****Weeping Beech**

Of all "weeping" trees this is the finest, the branches descend to the ground in broad tortuous curves making a character specimen even in winter. Effective on rolling contours.

2 to 3 ft.	B. & B.....	3.50	30.00	
3 to 4 ft.	B. & B.....	5.00		
4 to 5 ft.	B. & B.....	7.50		
5 to 6 ft.	B. & B.....	10.00		

**— riversi. 70'-80'****Rivers Purple Beech**

The best purple leaf tree, grafted. Handsome and dignified.

2 to 3 ft.	B. & B.....	3.50	30.00	270.00
3 to 4 ft.	B. & B.....	4.50	42.50	375.00
4 to 5 ft.	B. & B.....	6.50	57.50	500.00
5 to 6 ft.	B. & B.....	9.00	80.00	725.00
6 to 7 ft.	B. & B.....	12.00		

**FORSYTHIA intermedia. 8'-9'****Border Golden Bell**

Almost synonymous with April, and the long branches are useful for winter forcing. This form has arching branches.

2 to 3 ft.....	.40	3.50	30.00	
3 to 4 ft.....	.50	4.50	35.00	
4 to 5 ft.....	.65	5.50	45.00	

**— spectabilis. 8'-9'****Showy Border Golden Bell**

Here is the most spectacular member of the family, with larger deeper yellow flowers in profusion. Indispensable.

2 to 3 ft.....	.40	3.50	30.00	
3 to 4 ft.....	.50	4.50	35.00	

**ovata. 6'-8'****Korean Goldenbell**

Of all the goldenbells this has proved most hardy. While the amber yellow flowers are not so numerous or showy as other forms, they will defy any winter we can ever expect.

2 to 3 ft.....	.90	7.50		
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**suspensa. 6'-8'****Weeping Golden Bell**

Much more graceful, particularly if allowed to hang over a retaining wall. The willowy branches root at the tips and form an immense mass in a few years. Effective on walls.

1½ to 2 ft.....	.35	3.00	25.00	
2 to 3 ft.....	.40	3.50	30.00	
3 to 4 ft.....	.50	4.50	35.00	

**FORSYTHIA***viridissima. 8'-9'**Green Stem Forsythia*

The last to flower. Vigorous, upright stems have green bark.

2 to 3 ft.....	.40	3.50	30.00
3 to 4 ft.....	.50	4.50	35.00
4 to 5 ft.....	.65	5.50	45.00
5 to 6 ft.....	.90		

**GENISTA pilosa. 1'-2'***Silky Leaf Broom*

Will convert a hot, stony bank into a blanket of brilliant yellow in May and June. The dark, neat foliage is attractive.

4" pots, 3 yr.....	1.25	9.00	75.00
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*sagittalis. 9"-12"**Arrowhead Broom*

Low almost prostrate flat jointed stems curve up to hold the little bunches of clear yellow pea-blossoms in June and July, and afterwards the silky seed pods hold attention.

3 yr.....	.90	7.50	60.00
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**GINKGO biloba. 100'***Maidenhair Tree*

Full of interest, historically and physically, a grand old patriarch of a bygone age. Practically insect, dust and disease proof; good for city planting, but oh! how slowly it grows.

6 to 8 ft.....	3.50	30.00	240.00
8 to 10 ft., 1 1/4 to 1 1/2 in.....	5.00	45.00	
10 to 12 ft., 1 1/2 to 1 3/4 in.....	6.75		

**GYMNOCLADUS dioica. 60'-80'***Kentucky Coffee Tree*

Gnarled branchlets and thick branches create a picture of age.

2 to 3 ft.....	.90
3 to 4 ft.....	1.25

**HALESIA tetrapeta. 20'-25'***Great Silver Bell*

During May a lovely thing indeed. Myriads of little pearly bells dangle from the reaching branches, to be followed by interesting brown winged seeds. Will yet come into its own.

3 to 4 ft.....	.60	5.00	40.00
4 to 5 ft.....	.75	6.00	55.00
5 to 6 ft.....	1.00	9.00	80.00
6 to 8 ft.....	1.35	12.50	

**HAMAMELIS mollis. 15'-25'***Chinese Witch Hazel*

Every February this glorious shrub surprises us with its fragrant ribbon-like flowers of spun gold draped throughout the branches. Always a cheerful spot in a drab winterscape, even in zero weather. In summer the handsome velvety gray-green foliage clothes this well shaped bush, which seems happiest in slightly moist place. Indispensable for the border.

1 1/2 to 2 ft.....	.90	7.50
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*vernalis**Vernal Witch Hazel*

Not so showy but sweetly fragrant these pale yellow flowers mature in January, opening and closing with warm and cold spells. The small foliage is smooth but deeply veined. There is also a form with flowers stained with brownish-red.

2 to 3 ft.....	.75	6.50	55.00
3 to 4 ft.....	.90	8.00	75.00
4 to 5 ft.....	1.35	12.00	

*virginiana. 15'-25'**Witch Hazel*

The fringy light yellow flowers are conspicuous in November brightening our native woods. Splendid in mass when the rich yellow autumn color is effective bordering swamps.

1 1/2 to 2 ft.....	.50	4.00	30.00
2 to 3 ft.....	.60	5.00	40.00
3 to 4 ft.....	.70	6.00	50.00
4 to 5 ft.....	.80	7.00	60.00
5 to 6 ft.....	1.00	9.00	

Each Per 10 Per 100

**HEDERA helix. 60'-75'***English Ivy*

EVERGREEN. Where hardy the finest ground or wall cover. For this section it is best to plant where morning sun does not strike. In winter the rich green foliage is beautifully veined with white. Once established it becomes ageless.

3 in. pots.....	.30	2.50	20.00
4 in. pots .....	.35	3.00	25.00

**— baltica. 30'-40' EVERGREEN.** *Baltic Ivy*

Quite similar to the English Ivy, but has smaller leaves veined white, which in winter assume a purplish tone. Being really hardy this is more reliable for general use. Clings tightly.

4 in. pots.....	.60	5.00	40.00
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**— conglomerata. 1½'-2' EVERGREEN.** *Bunchleaf Ivy*

The curiously twisted stems are crowded with small wavy leaves. Looks perfectly at home in the rock garden where it never grows out of bounds, introduces a weathered effect.

3 in. pots.....	.50	4.50	35.00
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**— gracilis. 40'-50' EVERGREEN.** *Small Leaf English Ivy*

A more refined offspring from the English Ivy. The slender vines are not so densely clothed with foliage which is deliciously marbled white and seems harder than the type.

4 in. pots .....	.60	5.00	40.00
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**— Lexington form. EVERGREEN**

After many years of trial and observation this form can be pronounced as quite hardy as it withstands the severe weather of New England. It clings easily to almost any support and the rather small leaves make an attractive covering.

4 in. pots.....	.75	6.00	50.00
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**HIBISCUS syriacus. 10'-12'***Rose of Sharon*

Has a characteristic upright habit useful in formal work. Plant in spring as it grows until late autumn. Flowers August.

Ardens, Double purple	Rubens, Single red
Boule de Feu, Double red	Peoniflorus, Double pink
2 to 3 ft.....	.50
3 to 4 ft.....	.60
4 to 5 ft.....	.75

coelestis, Single blue	W. R. Smith, Single white
2 to 3 ft.....	.75

2 to 3 ft.....	.75	6.50
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**HYDRANGEA****arborescens grandiflora. 4'-5'** *Snow Hill Hydrangea*

The rather straggling habit is more than offset in July and August by the fine display of white flowers borne in large bunches. Prune severely for best results. Useful in shade.

2 to 3 ft.....	.40	3.00
3 to 4 ft.....	.50	4.00

3 to 4 ft.....	.50	35.00
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**bretschneideri. 6'-8'***Shaggy Hydrangea*

Develops into a handsome round bush bearing characteristic white flowers that assume a purple tinge with age. The chestnut brown bark peeling off the branchlets is interesting.

2 to 3 ft.....	.60	5.00
3 to 4 ft .....	.75	6.50

**paniculata. 10'-12'***Panicle Dogwood*

The long loose trusses of white flowers are borne gracefully and make this a most desirable shrub for August bloom.

3 to 4 ft.....	.60	5.00
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**HYDRANGEA*****paniculata grandiflora.* 8'-10'****Peegee**

Almost everyone knows the great heads of white flowers that gradually turn pink when cut and dried for decoration.

2 to 3 ft.....	.50	4.00	30.00
3 to 4 ft.....	.60	5.00	

***petiolaris.* Vine, 35'-40'****Climbing Hydrangea**

Until it takes on some age the sterling character of this little known climbing shrub is not appreciated. The large round leaves shingle the wall forming a perfect background for the flat topped bunches of fragrant white flowers in early summer. The old stems have brown bark. Prefers north wall.

4 in. pots.....	1.50	13.50	120.00
8 in. pots 7 yr .....	5.00		

***quercifolia.* 3'-4'****Oak Leaf Hydrangea**

Glorious in its autumn dress when the large oak-like leaves assume brilliant colors. The white flowers gradually turn purplish when old: worthwhile shrub, semi-shade or woods margin.

1½ to 2 ft.....	.60	5.00	40.00
2 to 3 ft.....	.75		

**HYPERICUM aureum. 3'-4'****Golden St. Johnswort**

Most welcome in July and August when the brilliant yellow flowers are at their best. Even in a dry rocky place will maintain its neat cheerful habit and covering of blue green foliage.

1½ to 2 ft.....	.45	3.50	30.00
2 to 3 ft.....	.50	4.00	
3 to 4 ft.....	.60	5.00	

***moserianum.* 12"-15"****Goldflower**

HALF EVERGREEN. Many reddish arching stems arise from the ground, each well laden in midsummer with lovely golden yellow flowers with a soft brush-like centre. Will well repay a little shelter. Very useful in herbaceous border.

2 year.....	.40	3.00	
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**ILEX cornuta. 10'****Chinese Holly**

EVERGREEN. One that bids well to become a favorite. The oblong rectangular leaves vary from 1½ to 4 inches long but retain the characteristic shape and leathery texture. Scarlet berries are attractive. Need shelter for several winters.

1 to 1½ ft. B. & B.....	1.50		
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***crenata.* 12'-15'****Japanese Holly**

EVERGREEN. Has thick dark lustrous green leaves of variable size never larger than a privet, really quite unlike a holly. Forms a fine large bush for permanent planting and does not object to some shade. Black berries not noticeable.

1 to 1½ ft. Bushy, B. & B.....	1.50	13.50	120.00
1½ to 2 ft. " B. & B.....	2.75	22.50	200.00
2 to 3 ft. " B. & B.....	4.00	35.00	300.00
3 to 4 ft. " B. & B.....	5.25	48.00	

**— *convexa (bullata.)* 3'-4'****Boxleaf Japan Holly**

EVERGREEN. Think of this as a dwarf boxwood which it resembles both in habit and foliage. Any plant lover cannot help but enthuse over an old specimen broader than high well clothed in roundish convex leaves that withstand the hardest winters. Eventually this will be the recognized substitute for dwarf boxwood edging in cold climates.

6 to 9 in. B. & B.....	.75	6.50	55.00
9 to 12 in. B. & B.....	1.00	8.50	65.00
12 to 15 in. B. & B.....	1.20	10.00	90.00
15 to 18 in. B. & B.....	1.80	15.00	135.00

1936

*ILEX crenata*

Each Per 10 Per 100

*microphylla. 8'-10'**Littleleaf Japanese Holly*

EVERGREEN. Even the smallest plant shows inherent character and sturdiness. Being more hardy than the type this form is recommended for general use, particularly as the twiggy branches make an ideal hedge or handsome specimen.

1 to 1½ ft.	Bushy, B. & B.....	1.50	13.50	120.00
1½ to 2 ft.	" B. & B.....	2.75	22.50	200.00
2 to 2½ ft.	" B. & B.....	4.00	35.00	300.00
2½ to 3 ft.	" B. & B.....	5.25	45.00	400.00
3 to 4 ft.	" B. & B.....	7.00	65.00	
4 to 5 ft.	" B. & B.....	9.00		

*glabra. 4'-6'**Inkberry*

EVERGREEN. Rather loose but well clothed with deep green leaves that turn to a peculiar metallic deep purple color in winter. Most effective in masses when the glittering black berries are more evident. Succeeds in shade or sun.

12 to 15 in.	B. & B.....	1.50	12.00	90.00
15 to 18 in.	B. & B.....	2.00	15.00	135.00
1½ to 2 ft.	B. & B.....	2.25	20.00	180.00
2 to 2½ ft.	B. & B.....	3.00	27.00	
2½ to 3 ft.	B. & B.....	4.50		

*opaca. 30'-40'**American Holly*

EVERGREEN. Christmas is immediately suggested by the familiar typical holly leaves and red berries. Be sure to get both male and female trees if berries are wanted, and transplant in spring. Young plants seem to prefer light shade but later a moist but well-drained sunny spot will produce a more compact specimen, especially if properly pruned.

1½ to 2 ft.	B. & B.....	2.00	15.00	125.00
2 to 3 ft.	B. & B.....	3.00	27.50	
3 to 4 ft.	B. & B.....	4.50	40.00	
4 to 5 ft.	B. & B.....	6.00	55.00	
5 to 6 ft.	B. & B.....	8.00		
6 to 7 ft.	B. & B.....	10.00		

— *xanthocarpa. 25'-30'**Yellow Fruited Holly*

EVERGREEN. Finally we found this true form with really yellow berries. Similar to the type but more hardy.

5 in. pots 12 to 15 in.....	2.25
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*verticillata. 8'-10'**Common Winterberry*

One of the few native shrubs that carries its bright red fruits practically throughout winter. While generally found in swampy ground it seems perfectly happy when high and dry. Plant in groups to insure a crop of berries—it's a holly!

1½ to 2 ft.....	.50	4.00	30.00
2 to 3 ft.....	.60	5.00	40.00
3 to 4 ft.....	.75	6.00	50.00
4 to 5 ft.....	1.00	9.00	75.00
5 to 6 ft.....	1.35	12.00	
6 to 7 ft.....	2.25		

*INDIGOFERA amblyantha. 5'-6'**Pink Indigo*

Beginning in July clusters of pink pea-blossoms bezewel the arching branches until October. Airy bright green foliage creates a soft effect often lacking in small border planting.

1½ to 2 ft.....	.60	5.00	40.00
2 to 3 ft.....	.75	6.50	50.00
3 to 4 ft.....	1.00		

*gerardiana. 3'-4'**Himalaya Indigo*

Rosy purple flowers and a compact much branching habit are main differences of this form. Will become almost herbaceous in cold exposures but improves every year.

1½ to 2 ft.....	.60	5.00
2 to 3 ft.....	.75	6.50

**INDIGOFERA****kirilowii.** 3'-4'

Each Per 10 Per 100

Kirilow Indigo

Very small rose colored flowers in dense bunches brighten up the compact bush in July. Withstands drought and heat.

1 $\frac{1}{2}$ to 2 ft.....	.60	5.00
2 to 3 ft.....	.75	6.50

**potanini.** 5'-6

Potanin Indigo

More upright and compact than the former with slightly larger pale pink flowers. An occasional freeze back helps.

2 to 3 ft.....	.75	6.50
3 to 4 ft.....	1.00	9.00

**JASMINUM nudiflorum.** 4'-5'

Winter Jasmine

Most effective when the long slender viny branches are trained on a sunny wall to display the bright starry yellow bells in April and sometimes during a warm February. As a shrub the branches will root as they spread, into a mass.

2 yr.....	.50	4.00	30.00
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**JUNIPERUS. ALL EVERGREEN.**

Junipers and Cedars

**chinensis.** 18'-20'

Chinese Juniper

A formal narrow cone of gray-green foliage assuming more character with age. Reliable and useful even in cold climate.

2 to 2 $\frac{1}{2}$ ft.	B. & B.....	2.00	17.50	125.00
2 $\frac{1}{2}$ to 3 ft.	B. & B.....	2.50	22.50	175.00
3 to 4 ft.	B. & B.....	3.25	27.50	225.00
4 to 5 ft.	B. & B.....	4.50	40.00	350.00
5 to 6 ft.	B. & B.....	5.50	50.00	450.00
6 to 7 ft.	B. & B.....	7.50	65.00	
7 to 8 ft.	B. & B.....	9.00		
8 to 10 ft.	B. & B.....	12.00		

— **albo variegata.** 8'-10'

White Leaf Chinese Juniper

Creamy white branchlets are interspersed throughout the bush. Other foliage is blue-gray. Forms stocky pyramid.

2 to 2 $\frac{1}{2}$ ft.	B. & B.....	2.00	17.50	125.00
2 $\frac{1}{2}$ to 3 ft.	B. & B.....	2.50	22.50	175.00
3 to 4 ft.	B. & B.....	3.25	27.50	225.00
4 to 5 ft.	B. & B.....	4.50	40.00	350.00
5 to 6 ft.	B. & B.....	5.50	50.00	450.00
6 to 7 ft.	B. & B.....	7.50		

— **columnaris.** 20'-25'

Column Chinese Juniper

Rapidly grows into a slender shaft of gray-green. Splendid "accent" plant. An annual trimming keeps column compact.

2 to 2 $\frac{1}{2}$ ft.	B. & B.....	2.00	17.50	125.00
2 $\frac{1}{2}$ to 3 ft.	B. & B.....	2.50	22.50	175.00
3 to 4 ft.	B. & B.....	3.25	27.50	225.00
4 to 5 ft.	B. & B.....	4.50	40.00	350.00
5 to 6 ft.	B. & B.....	5.50	50.00	450.00
6 to 8 ft.	B. & B.....	7.50	65.00	600.00
8 to 10 ft.	B. & B.....	11.00	100.00	
10 to 12 ft.	B. & B.....	16.50		

— — **viridis.** 20'-25'

Green Column Juniper

This green form is more pyramidal and grows more slowly.

2 to 2 $\frac{1}{2}$ ft.	B. & B.....	2.00	17.50	125.00
2 $\frac{1}{2}$ to 3 ft.	B. & B.....	2.50	22.50	175.00
3 to 4 ft.	B. & B.....	3.25	27.50	225.00
4 to 5 ft.	B. & B.....	4.50	40.00	350.00
5 to 6 ft.	B. & B.....	5.50	50.00	
6 to 7 ft.	B. & B.....	7.50	65.00	
7 to 8 ft.	B. & B.....	9.00	82.50	
8 to 10 ft.	B. & B.....	12.00		

**JUNIPERUS. ALL EVERGREEN.** Each Per 10 Per 100  
**chinensis fortunei. 12'-15'** **Fortune Juniper**

Quite distinct with its informal broadly pyramidal outline, and gray-green foliage this is most useful in mixed planting.

2½ to 3 ft.	B. & B.....	2.50	22.50	175.00
3 to 4 ft.	B. & B.....	3.25	27.50	225.00
4 to 5 ft.	B. & B.....	4.50	40.00	350.00
5 to 6 ft.	B. & B.....	6.00		
6 to 8 ft.	B. & B.....	9.00		

— **japonica. 4'-5'** **Japanese Juniper**

Being extremely hardy this low spreading bush retains its handsome rich green coloring throughout the coldest winter. Grows slowly and looks at home in a large rock garden.

1½ to 2 ft.	B. & B.....	2.00	15.00	
2 to 2½ ft.	B. & B.....	2.75	22.50	200.00
2½ to 3 ft.	B. & B.....	3.50	30.00	

— — **globes** Formal compact spheres. **Trimmed Globes**

1½ to 2 ft.	B. & B.....	3.00	27.50	
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— — **aurea. 3'-4'** **Golden Japan Juniper**

Very bright yellow scaly leaves cover this little, slow grower.

12 to 15 in.	B. & B.....	2.00	15.00	
15 to 18 in.	B. & B.....	2.50		

— — **aureo variegata. 4'-5'** **Variegated Japan Juniper**

An odd form intermediate, both in color and growth, between the green type and golden variety.

15 to 18 in.	B. & B.....	2.00	15.00	
1½ to 2 ft.	B. & B.....	2.75	22.50	
2 to 2½ ft.	B. & B.....	3.00	27.50	

— **neaboriensis. 8'-10'** **Conical Chinese Juniper**

Possibly the most formal cone-shaped Juniper we have. Although never trimmed the neat tight pyramid always looks as though just "groomed." A perfect accent or tub plant.

2½ to 3 ft.	B. & B.....	2.50	22.50	175.00
3 to 4 ft.	B. & B.....	3.25	27.50	225.00
4 to 5 ft.	B. & B.....	4.50	40.00	350.00
5 to 6 ft.	B. & B.....	5.50	50.00	450.00
6 to 7 ft.	B. & B.....	7.50	65.00	
7 to 8 ft.	B. & B.....	9.00		

— **oblonga. 10'-12'** **Oblonga Juniper**

Known as "sylvestris" in the South this plant has a wide range for it is extremely hardy. From the broad round base a leader shoots up to form a feathery irregular pyramid. In winter the gray foliage is tinted with frosted purple-lavender.

3 to 4 ft.	B. & B.....	3.25	27.50	
4 to 5 ft.	B. & B.....	4.50	40.00	350.00
5 to 6 ft.	B. & B.....	5.50		

— **pfitzeriana. 5'-6'** **Pfitzer Juniper**

Naturally develops into a low spreading vase-shaped bush formed by handsome plume-like branches. Being resistant to cold, dust, smoke and drought it is widely used in city plantings, and deserves its popularity. Another indispensable.

15 to 18 in.	B. & B.....	1.25	10.00	90.00
1½ to 2 ft.	B. & B.....	1.75	15.00	120.00
2 to 2½ ft.	B. & B.....	2.00	18.00	150.00
2½ to 3 ft.	B. & B.....	2.75	22.50	200.00
3 to 3½ ft.	B. & B.....	4.00	35.00	300.00
3½ to 4 ft.	B. & B.....	5.00	45.00	400.00
4 to 5 ft.	B. & B.....	6.00	52.50	

**JUNIPERUS.** ALL EVERGREEN. Each Per 10 Per 100  
**chinensis sargentii.** 2'-2½' *Sargent Juniper*

Prostrate in habit, this hardy ground cover quickly forms a mat of bright grass-green foliage in a sunny spot. Very hardy.

12 to 15 in.	B. & B.....	1.50	13.50	120.00
15 to 18 in.	B. & B.....	1.75	15.00	135.00
1½ to 2 ft.	B. & B.....	2.25	20.00	180.00
2 to 2½ ft.	B. & B.....	3.00	27.50	250.00
2½ to 3 ft.	B. & B.....	5.00	45.00	

**communis aurea.** 2'-2½' *Golden Common Juniper*

Much lower habit this bright yellow form is often seen in "foundation" plantings where a transitional line is needed.

1 to 1½ ft.	B. & B.....	1.35	12.00	
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**— montana.** 1½' *Mountain Juniper*

In its native rocky home the large perfectly flat carpets of cheerful green are strikingly effective. The prostrate branches just reach out horizontally about a foot off the ground and cover surprisingly large areas. This true variety is scarce.

12 to 18 in.	B. & B.....	1.35	12.00	100.00
1½ to 2 ft.	B. & B.....	2.00	15.00	

**— suecica.** 3'-4' *Swedish Juniper*

Compact dwarf columns of light green. Good rock plant.

15 to 18 in.	B. & B.....	1.25	10.00	75.00
1½ to 2 ft.	B. & B.....	1.50	12.50	100.00
2 to 2½ ft.	B. & B.....	2.00	17.50	

**conferta.** 9"-12" *Shore Juniper*

For a Juniper has unusually large bloomy black berries and half inch spiny pointed leaves. Rather difficult to transplant but useful for seashore planting. Bright green in winter.

15 to 18 in.	B. & B.....	1.75		
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**excelsa stricta.** 5'-6' *Spiny Greek Juniper*

These blue-gray "blobs" are so often seen in window boxes formal gardens and mixed foundation plantings. Useful.

10 to 12 in.	B. & B.....	.85	7.50	60.00
12 to 15 in.	B. & B.....	1.00	9.00	75.00
15 to 18 in.	B. & B.....	1.50	12.00	90.00
1½ to 2 ft.	B. & B.....	1.75	15.00	120.00
2 to 2½ ft.	B. & B.....	2.25	20.00	150.00
2½ to 3 ft.	B. & B.....	3.00	25.00	200.00
3 to 4 ft.	B. & B.....	4.50	40.00	

**horizontalis.** 1'-2' *Creeping Savin*

Has long prostrate branches that crawl over and around stones to spread its green plumes. A sunny rocky slope with plenty of room is an ideal spot.

1 to 1½ ft.	B. & B.....	1.50	12.50	100.00
1½ to 2 ft.	B. & B.....	2.00	17.50	150.00
2 to 2½ ft.	B. & B.....	2.75	22.50	
2½ to 3 ft.	B. & B.....	3.50	30.00	

**— Bar Harbor.** 6"-12" *Bar Harbor Juniper*

Of all ground Junipers we rate this first, it actually "hugs" the ground and makes a velvety mat of gray-green foliage which in winter changes to a most attractive metallic purple and lavender coloring. Made to order for the rock garden.

12 to 15 in.	B. & B.....	1.50		
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JUNIPERUS ALL EVERGREEN Each Per 10 Per 100

**horizontalis douglasii. I' Waukegan Juniper**

Rather slow irregular growth, steely blue foliage turning purple in winter. Irregular trailing habit effective in rocks.

1	to	$1\frac{1}{2}$	ft.	B. & B.....	1.50	12.50	100.00
$1\frac{1}{2}$	to	2	ft.	B. & B.....	2.25	20.00	150.00
2	to	$2\frac{1}{2}$	ft.	B. & B.....	2.75	22.50	

— *glaucia*. I' *Blue Creeping Savin*

Quite an improvement upon the green type, both in neatness and coloring. In summer it is blue gray, purple in winter.

$1\frac{1}{2}$	to	2	ft.	B. & B.....	2.25	20.00	150.00
2	to	$2\frac{1}{2}$	ft.	B. & B.....	2.75	22.50	200.00
3	to	4	ft.	B. & B.....	3.75		

— *plumosa*. 1'-2' Plumed Spreading Juniper

Even a single plant will make a neat low dense mat of soft silver-green which gradually takes on a rich deep lavender-purple color with colder weather. Truly a handsome thing.

12	to	15	in.	B. & B.....	1.00	9.00	75.00
15	to	18	in.	B. & B.....	1.50	12.50	90.00
1½	to	2	ft.	B. & B.....	2.00	15.00	135.00
2	to	2½	ft.	B. & B.....	2.75	24.00	210.00
2½	to	3	ft.	B. & B.....	3.50		
3	to	3½	ft.	B. & B.....	4.50		
3½	to	4	ft.	B. & B.....	6.50		

sabina. 5'-6' Savin

A vase shape bush of dark green, dependable in exposures.

12 to 15 in.	B. & B.....	1.20	10.00	90.00
15 to 18 in.	B. & B.....	1.50	13.50	120.00
1½ to 2 ft.	B. & B.....	2.00	18.00	150.00
2 to 2½ ft.	B. & B.....	2.50	22.50	

— tamariscifolia. 1'-2' *Tamarix Juniper*

Gray-green foliage on short branchlets create a pleasing soft feathery texture, and the peculiar flat effect is pleasing, too.

12 to 18 in.	B. & B.....	1.75	15.00	135.00
1½ to 2 ft.	B. & B.....	2.50		
2 to 2½ ft.	B. & B.....	3.00	27.50	

**squamata.** 1'-2' **Scaly Leaf Juniper**

Stays "good" indefinitely and is one of the finest winter evergreens. All the creeping branches are well clothed with scaly gray-green foliage equally resistant to heat or cold.

12	to	15	in.	B. & B.....	2.00	15.00	125.00
15	to	18	in.	B. & B.....	2.75	22.50	200.00
1½	to	2	ft.	B. & B.....	3.50	30.00	
2	to	2½	ft.	B. & B.....	4.50		
2½	to	3	ft.	B. & B.....	5.50	50.00	
3	to	4	ft.	B. & B.....	7.50	67.50	

— meyeri. 6'-8' Meyer Juniper

Stiff branches and large "leaves" tend to create a coarse rugged texture quite unlike any other plant. Altho bushy it has an interesting outline and the silvery blue summer dress becomes tinged with a lavender sheen as winter approaches.

15 to	18 in.	B. & B.....	1.25	10.00	85.00
1½ to	2 ft.	B. & B.....	1.75	15.00	125.00
2 to	2½ ft.	B. & B.....	2.50	22.50	200.00
2½ to	3 ft.	B. & B.....	3.50	30.00	275.00
3 to	3½ ft.	B. & B.....	4.50	40.00	360.00

**JUNIPERUS ALL EVERGREEN**    Each    Per 10    Per 100**squamata variegata.** 1'-2'              *Variegated Scaly Juniper*

But for the occasional sprays of creamy white, this variety is similar to the green type, remaining just as good in winter.

12 to 15 in.	B. & B.....	2.00	15.00	125.00
15 to 18 in.	B. & B.....	2.75	22.50	200.00
1½ to 2 ft.	B. & B.....	3.50	30.00	275.00
2 to 2½ ft.	B. & B.....	4.25	37.50	350.00
2½ to 3 ft.	B. & B.....	5.00	45.00	
3 to 4 ft.	B. & B.....	7.50		

**virginiana.** 30'-50'                      *Redcedar*

Our well loved native Cedar which has given rise to all the following variations. An occasional trimming will improve it.

6 to 8 ft.	B. & B.....	7.50
8 to 10 ft.	B. & B.....	9.00

**— burki.** 12'-15'                      *Burk's Cedar*

Forms a well shaped dense column of silvery gray until frost, then becomes overlaid with a flush of purple. Handsome.

2½ to 3 ft.	B. & B.....	2.50	22.50	175.00
3 to 4 ft.	B. & B.....	3.25	27.50	
4 to 5 ft.	B. & B.....	4.50	40.00	
5 to 6 ft.	B. & B.....	5.50	50.00	
6 to 7 ft.	B. & B.....	7.50	67.50	600.00
7 to 8 ft.	B. & B.....	10.00	90.00	
8 to 10 ft.	B. & B.....	13.50		

**— cannarti.** 20'-25'                      *Cannart Cedar*

Like a true aristocrat this handsome Cedar is unobtrusively dignified and dislikes any fussy trimming that would interfere with its natural character. Columnar in outline, the surface is broken by short lateral branches making black shadow spots on a very deep green mantle of foliage. In autumn when the crop of steely blue berries are in evidence, it is almost gay enough to be saved for Christmas decoration.

2 to 2½ ft.	B. & B.....	2.00	17.50	125.00
2½ to 3 ft.	B. & B.....	2.50	22.50	175.00
3 to 4 ft.	B. & B.....	3.25	27.50	225.00
4 to 5 ft.	B. & B.....	4.50	40.00	350.00
5 to 6 ft.	B. & B.....	6.00	54.00	480.00
6 to 7 ft.	B. & B.....	8.25	75.00	675.00
7 to 8 ft.	B. & B.....	11.00	100.00	
8 to 10 ft.	B. & B.....	13.50		

**— elegantissima.** 15'-18'                      *Goldtip Redcedar*

Well named from the bright yellow branchlets, turning bronzy in winter, really a warm color that doesn't look "dead."

3 to 4 ft.	B. & B.....	3.25	27.50
4 to 5 ft.	B. & B.....	4.50	40.00
5 to 6 ft.	B. & B.....	5.50	50.00
6 to 7 ft.	B. & B.....	7.50	67.50

**— glauca.** 20'-25'                      *Silver Redcedar*

One might call this the blue counterpart of the Cannart Cedar.

The whole irregular column is richly clad in a blue-gray mantle which among other evergreens gives a frosted effect.

1½ to 2 ft.	B. & B.....	1.75	12.50	100.00
2 to 2½ ft.	B. & B.....	2.00	17.50	125.00
2½ to 3 ft.	B. & B.....	2.50	22.50	175.00
3 to 4 ft.	B. & B.....	3.25	27.50	225.00
4 to 5 ft.	B. & B.....	4.50	40.00	350.00
5 to 6 ft.	B. & B.....	6.00	54.00	480.00
6 to 7 ft.	B. & B.....	8.25	75.00	
7 to 8 ft.	B. & B.....	11.00	100.00	
8 to 10 ft.	B. & B.....	13.50		

**JUNIPERUS ALL EVERGREEN.** Each Per 10 Per 100  
*virginiana globosa.* 4'-5'

*Globe Cedar*

Needs no trimming to keep it dwarf and compact. Some interesting shapes are assumed, as the plants mature.

12 to 15 in.	B. & B.....	2.25	20.00	150.00
15 to 18 in.	B. & B.....	3.00	27.50	225.00
1½ to 2 ft.	B. & B.....	4.00	35.00	300.00
2 to 2½ ft.	B. & B.....	5.00	45.00	
2½ to 3 ft.	B. & B.....	6.00		
3 to 3½ ft.	B. & B.....	7.50		

— *keteleeri.* 18'-20' *Keteleer Cedar*

Handsome dark green leaves set off large slaty blue berries which are unusually decorative in winter. Develops into a fairly thick column that is compact right to the broad base.

2 to 2½ ft.	B. & B.....	2.00	17.50	125.00
2½ to 3 ft.	B. & B.....	2.50	22.50	175.00
3 to 4 ft.	B. & B.....	3.25	27.50	225.00
4 to 5 ft.	B. & B.....	4.50	40.00	350.00
5 to 6 ft.	B. & B.....	6.00	54.00	480.00
6 to 7 ft.	B. & B.....	8.25	75.00	
7 to 8 ft.	B. & B.....	11.00	100.00	
8 to 10 ft.	B. & B.....	13.50		

— *pyramidalis.* 25' *Pyramidal Redcedar*

As a dense narrow spire of green few things can equal this.

2 to 3 ft.	B. & B.....	3.00	27.00
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— *schotti.* 20'-25' *Schott Redcedar*

More formal and lighter green compact than Cannart's Cedar and with occasional trimming makes a handsome column.

2 to 2½ ft.	B. & B.....	2.00	17.50	125.00
2½ to 3 ft.	B. & B.....	2.50	22.50	175.00
3 to 4 ft.	B. & B.....	3.25	27.50	225.00
4 to 5 ft.	B. & B.....	4.50	40.00	350.00
5 to 6 ft.	B. & B.....	6.00	54.00	480.00
6 to 7 ft.	B. & B.....	8.25	75.00	
7 to 8 ft.	B. & B.....	11.00	100.00	
8 to 10 ft.	B. & B.....	13.50		

— *smithi.* 6'-8' *Smith's Juniper*

Is quite unusual in habit and color; really an open but well furnished bush richly clad in a mantle of light grass-green foliage that remains fresh and bright throughout the winter.

2½ to 3 ft.	B. & B.....	2.75	22.50
3 to 4 ft.	B. & B.....	3.25	27.50
4 to 5 ft.	B. & B.....	4.50	40.00

**KALMIA angustifolia.** 3'-4' *Sheep Laurel*

**EVERGREEN.** Quite distinct from its more popular brother by reason of the small gray-green foliage and small pretty pink flowers. Does well in open sun.

1½ to 2 ft.	B. & B.....	2.25	20.00
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*latifolia.* 6'-8' *Mountain Laurel*

**EVERGREEN.** Doubtless the most valuable and beautiful of our broadleaf evergreens. In July nothing can approach the glorious effect created by a mass of laurel with its great wealth of pink flowers. Even in zero weather the clean foliage retains its vigor and deep green color. While most adaptable to sun or shade the ideal location is slight shade.

12 to 15 in.	B. & B.....	1.25	10.00	90.00
15 to 18 in.	B. & B.....	1.80	15.00	135.00
1½ to 2 ft.	B. & B.....	2.25	20.00	180.00
2 to 2½ ft.	B. & B.....	2.75	24.00	225.00
2½ to 3 ft.	B. & B.....	3.75	33.00	
3 to 4 ft.	B. & B.....	6.00		

	Each	Per 10	Per 100
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**KERRIA japonica fl. pl. 4'-5' Double Kerria or Globeflower**

Green stems and rich golden flowers that in May resemble "button" chrysanthemums combine to make this a most popular "old fashioned" useful shrub. Nice for winter color.

1½ to 2 ft.....	.60	5.00	45.00
2 to 3 ft.....	.75	6.50	60.00
3 to 4 ft.....	.90	8.00	70.00

**KOELREUTERIA paniculata. 25'-30' Varnish Tree**

Most conspicuous when the large loose bunches of bright yellow flowers crown the trees in July. The compound foliage is pleasing and for dry city conditions is excellent.

3 to 4 ft.....	1.00	9.00
4 to 5 ft.....	1.50	13.50
5 to 6 ft.....	2.25	20.00
6 to 8 ft.....	3.00	27.50

**KOLKWITZIA amabilis. 5'-6' Beauty Bush**

During late spring the common name is well deserved for the graceful slender branches are transformed to ropes of gay little pink bells. Improves with age, so don't expect many flowers on young shrubs. These are all well branched.

1½ to 2 ft.....	.40	3.00	25.00
2 to 3 ft.....	.50	4.00	30.00
3 to 4 ft.....	.70	6.00	
4 to 5 ft.....	.90	7.50	

**LABURNUM vulgare. 20'-25' Golden Chain**

Golden yellow flowers hang from the green branches resembling a yellow wisteria. Plant in a favored sheltered spot.

6 to 8 ft.....	2.25	19.50
8 to 10 ft.....	3.00	27.00

**LARIX europaea. 50'-60' European Larch**

With its fresh yellow-green needles this tree is traditionally spring like; in fall the soft textured pyramid turns to gold.

4 to 6 ft. B. & B.....	2.75	22.50
6 to 8 ft. B. & B.....	4.00	35.00
8 to 10 ft. B. & B.....	5.00	45.00
10 to 12 ft. B. & B.....	6.50	
12 to 15 ft. B. & B.....	7.50	

**leptolepis. 50'-60' Japanese Larch**

Grows more rapidly, otherwise quite similar to the European.

8 to 10 ft. B. & B.....	5.00	45.00
10 to 12 ft. B. & B.....	6.50	60.00
12 to 15 ft. B. & B.....	7.50	

**LAUROCERASUS schipkaensis. 6'-8' Cherry Laurel**

EVERGREEN. Rarely seen, this handsome shrub should prove useful for bold effects with its five inch lustrous green leaves. A rather sheltered spot where the morning sun does not reach is best.

12 to 15 in. B. & B.....	1.35	12.00
15 to 18 in. B. & B.....	1.80	16.50

**LEIOPHYLLUM buxifolium. 1'-2' Box Sand Myrtle**

EVERGREEN. Particularly attractive and cheerful in June when small pinkish flowers jewel the branches. Although naturally irregular the cultivated specimens are generally well shaped little cushions with small boxwood-like leaves.

9 to 12 in. B. & B.....	2.00	15.00	120.00
12 to 15 in. B. & B.....	2.25	20.00	150.00
15 to 18 in. B. & B.....	3.00	24.00	210.00
1½ to 2 ft. B. & B.....	3.75	33.00	

**LESPEDEZA formosa. 6'-7'**                                  *Purple Bush Clover*

Reddish purple flowers just hide the clover-like leaves in July and August. Although the slender arching branches may freeze back, it quickly makes a handsome graceful shrub.

		Each	Per 10	Per 100
3 to 4 ft.....		.50	4.50	35.00
4 to 5 ft.....		.60	5.00	45.00

**LEUCOTHOE catesbaei. 3'-4'**                                  *Drooping Leucothoe*

**EVERGREEN.** What a glorious welcome sight the rich purple foliage makes in winter, and even in summer the thick shiny green five inch leaves, so regularly arranged on the arching branches are striking. Then in May, graceful sprays of fragrant white flowers hang from the branches, giving the effect of a flowering fern. Handsome as Christmas decorations. Useful for shady ground cover work. Moist acid soil is ideal. Truly needed in "natural" work.

1 to 1½ ft.	B. & B.....	1.00	9.00	75.00
1½ to 2 ft.	B. & B.....	1.50	13.50	120.00
2 to 2½ ft.	B. & B.....	2.25	18.00	150.00
2½ to 3 ft.	B. & B.....	2.75	25.00	

**LIGUSTRUM amurense. 10'-12'**                                  *Amur Privet*

**HALF EVERGREEN.** Admittedly a splendid hedge plant, but don't overlook it as a specimen shrub where the pleasing graceful lines of the spreading branches are seen to advantage.

2 to 3 ft.....		.25	2.00	15.00
3 to 4 ft.....		.30	2.50	20.00

**ibota. 8'-9'**    *Ibota Privet*

**HALF EVERGREEN.** Has spreading arching branches clothed with clean foliage which remains good until mid-winter. The bunches of shiny black berries are decorative.

3 to 4 ft.....		.40	3.00
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**— regelianum. 4'-6'**    *True Spreading Regal Privet*

**HALF EVERGREEN.** Either as a hedge plant or for the shrubbery border this is a good subject with low branches.

1½ to 2 ft.....		.30	2.50
2 to 3 ft.....		.45	3.50
3 to 4 ft.....		.60	5.00

**ovalifolium. 10'-15'**    *California Privet*

**HALF EVERGREEN.** In addition to being "the hedge plant supreme" this shrub is splendid for mass planting.

		Per 10	Per 100	Per 1000
1½ to 2 ft.....		1.50	6.00	50.00
2 to 3 ft.....		2.00	9.00	60.00
3 to 4 ft.....		2.50	12.00	90.00

Each Per 10 Per 100

**LIQUIDAMBAR styraciflora. 100'**                                  *Sweet Gum*

The swampy places where this pyramidal tree grows are transformed into beauty spots in early autumn by the blazing scarlet coloring of the star shaped leaves. Even when the corky barked branches are bare they are very interesting.

6 to 8 ft.....		3.50	30.00
8 to 10 ft.....		4.50	40.00
10 to 12 ft.....		6.00	50.00

**LIRIODENDRON tulipifera. 150'**                                  *Tulip Tree*

Greenish yellow tulip-like flowers top the branchlets in June, and the unique "cut-off" shape of the leaves is remarkable. Makes a magnificent tree with clean straight 100 foot trunk.

6 to 8 ft.....		1.80	15.00
8 to 10 ft., 1¼ to 1½ in.....		2.50	22.50
10 to 12 ft., 1½ to 2 in.....		3.75	33.00
12 to 14 ft., 2 to 2½ in.....		5.50	48.00
14 to 16 ft., 2½ to 3 in.....		6.75	

	Each	Per 10	Per 100
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**LITHOSPERMUM prostratum, Heavenly Blue. 4-6" Gromwell**

EVERGREEN. Wiry tortuous trailing stems slowly form irregular mats of deep green in which are studded the bluest of blue flowers from May to August. Acid soil, half shade.

3 in. pots .....	.75	6.00	50.00
4 in. pots.....	1.00	8.50	75.00

**LONICERA fragrantissima. 6'-8' Winter Honeysuckle**

HALF EVERGREEN. So called because of persistent foliage and the early appearance of the deliciously fragrant flowers on bare branches in March. Red berries in summer.

2 to 3 ft.....	.50	4.50	40.00
3 to 4 ft.....	.60	5.00	45.00

**heckrottii. Vine, 15'-20' Everblooming Honeysuckle**

A twining vine-like shrub which in July until September is bedecked with attractive tubular flowers of purplish-rose outside and old gold within. Floriferous, handsome and hardy.

2 yr.....	.50	4.00	35.00
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**henryi. 15'-20' Henry Honeysuckle**

HALF EVERGREEN. Has narrow two inch rich green leaves, reddish flowers and black fruits. Attractive neat vine.

2 yr.....	.50	4.00	35.00
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**japonica halliana. Vine, 20'-25' Hall's Japan Honeysuckle**

HALF EVERGREEN. Wherever planted this old favorite takes possession with its tropical luxuriant growth, whether as ground cover, trellis vine or bank planting, but the sweetly fragrant handsome creamy flowers are best on a support.

2 yr.....	.30	2.50	20.00
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**korolkowi floribunda. 8'-10' Broad Blueleaf Honeysuckle**

Forms a large intricately branched mound of blue-gray foliage bespangled in early summer with cheery pink bells which give place to an abundance of glittering red berries.

1½ to 2 ft.....	.50	4.00	30.00
2 to 3 ft.....	.60	5.00	40.00
3 to 4 ft.....	.75	6.50	

**maacki podocarpa. 10'-12' Late Honeysuckle**

Rather straggling, but a vigorous habit. Brilliant red fruits.

2 to 3 ft.....	.50	4.00	30.00
3 to 4 ft.....	.60	5.00	40.00
4 to 5 ft.....	.75	6.00	

**minutiflora. 8'-10' Bunchberry Honeysuckle**

When in full fruit the orange berries transform this into a lovely shrub. Unfortunately little known. One of the best.

2 to 3 ft.....	.40	3.00	25.00
3 to 4 ft.....	.50	4.00	30.00
4 to 5 ft.....	.60	5.00	

**morrowi. 7'-8' Morrow Honeysuckle**

Distinct useful shrub of wide spreading habit handsome in June when the creamy flowers expand, and again when the bright red berries ripen. Clean gray-green foliage, vigorous.

2 to 3 ft.....	.40	3.00
3 to 4 ft.....	.50	4.00

**nitida. 4'-5' Shiny Leaf Honeysuckle**

EVERGREEN. In a sheltered place this lovely little bush will be attractive all year. Fragrant creamy white flowers are produced rarely, giving place to purple transparent berries.

3 in. pots.....	.60	5.00	45.00
4 in. pots.....	.75	6.00	

**LONICERA**

Each Per 10 Per 100

*periclymenum belgica.* Vine, 15'-20' Dutch Woodbine

Good healthy looking glossy foliage clothes the long vines, making excellent foil for the fragrant cream-purple flowers.

2 yr.....	.40	3.00	25.00
3 yr.....	.50	4.00	35.00

*syringantha wolfi.* 4'-5' Wolf Honeysuckle

Short twiggy branches, some prostrate, are densely covered with small dusty green leaves, brightened up by fragrant rosy-lilac flowers and then by red fruits. Handsome shrub.

1½ to 2 ft.....	.60	5.50	50.00
2 to 3 ft.....	.75	6.00	

*tatarica.* 8'-10' Tatarian Honeysuckle

Most adaptable old favorite. The best form has pink flowers in early June followed by a generous crop of scarlet fruits.

2 to 3 ft.....	.40	3.00	25.00
3 to 4 ft.....	.50	4.00	30.00

*thibetica.* 3'-4' Tibetan Honeysuckle

For dry rocky slopes this is not only a useful but a handsome shrub; pale purple flowers are followed by red berries.

1 to 1½ ft.....	.75	6.50
1½ to 2 ft.....	1.00	9.00

**MAGNOLIA acuminata cordata.** 15'-20' Yellow Cucumber Tree

The only yellow flowering Magnolia; also distinct by reason of its heart shaped leaves. Thrives best in a protected spot.

2 to 3 ft. B. & B.....	3.50	30.00	250.00
3 to 4 ft. B. & B.....	5.00	45.00	400.00
4 to 5 ft. B. & B.....	7.00	65.00	

*conspicua.* 30'-35' Yulan Magnolia

Has a certain dignified beauty that marks the tree as an aristocrat. Sweetly scented six inch white flowers are proudly held up by bare branches in April. Good summer foliage.

1½ to 2 ft. B. & B.....	2.50	20.00	150.00
2 to 3 ft. B. & B.....	3.50	30.00	250.00
3 to 4 ft. B. & B.....	5.00	45.00	
4 to 5 ft. B. & B.....	7.00	65.00	

*glauca.* 15'-20' Sweet Bay

HALF EVERGREEN. Altho rather sparingly produced during May and June, the creamy white three inch flowers are so fragrant as to permeate the air for a good distance around with a delicious gardenia-like scent. Naturally rather loose the shrub can be improved by judicious pruning while young. Handsome lustrous leaves, mealy white underneath and red seed pods add to its interest. Best in moist places.

1½ to 2 ft. B. & B.....	1.50	12.50	100.00
2 to 3 ft. B. & B.....	2.00	17.50	135.00
3 to 4 ft. B. & B.....	2.75	22.50	200.00
4 to 5 ft. B. & B.....	4.00	35.00	300.00
5 to 6 ft. B. & B.....	5.50	50.00	
6 to 8 ft. B. & B.....	7.50		

*kobus.* 30'-35' Kobus Magnolia

The hardy form we have "borealis" is a symmetrical fast growing tree that must acquire age before blooming freely but the semi-double starry white flowers are indeed beautiful.

2 to 3 ft. B. & B.....	2.00	17.50	135.00
3 to 4 ft. B. & B.....	2.75	22.50	200.00
4 to 5 ft. B. & B.....	4.00	35.00	300.00
5 to 6 ft. B. & B.....	6.00	55.00	500.00
6 to 8 ft. B. & B.....	7.50	65.00	
8 to 10 ft. B. & B.....	9.00		

**MAGNOLIA*****liliflora nigra.* 15'-18'**

Each Per 10 Per 100

*Purple Lily Magnolia*

Darkest of all is this rapid growing shrub with its long brownish purple flowers continually opening until late spring. The shiny leaves are distinct and even small plants bloom freely.

1½ to 2 ft.	B. & B.....	1.50	12.50	100.00
2 to 3 ft.	B. & B.....	2.25	20.00	180.00
3 to 4 ft.	B. & B.....	3.00	27.00	225.00
4 to 5 ft.	B. & B.....	5.00	45.00	
5 to 6 ft.	B. & B.....	7.50		
6 to 7 ft.	B. & B.....	10.00		
7 to 8 ft.	B. & B.....	13.50		
8 to 10 ft.	B. & B.....	16.50		

***parviflora.* 10'-12'***Oyama Magnolia*

What a pity this charming shrub is not widely used. The lovely white cup shape flowers have a rosette of deep crimson stamens in the centre and their delicious fragrance is noticeable all summer as the occasional blooms expand. Give plenty of room for its spreading development, in a favored spot.

1½ to 2 ft.	B. & B.....	3.00	27.00	225.00
2 to 3 ft.	B. & B.....	4.00	35.00	300.00
3 to 4 ft.	B. & B.....	6.00	55.00	450.00
4 to 5 ft.	B. & B.....	9.00	82.50	
5 to 6 ft.	B. & B.....	15.00	135.00	
6 to 8 ft.	B. & B.....	21.00		

***soulangeana.* 18'-20'***Saucer Magnolia*

Here is the spectacular member of this glorious family. Every branch plays its part in effectively covering the whole shrub with great purplish pink cups in early spring. In small plants the white innerside of the flowers give a bicolor effect. When trained in one stem as a tree the large bold foliage is effective.

1½ to 2 ft.	B. & B.....	1.50	12.50	100.00
2 to 3 ft.	B. & B.....	2.00	17.50	135.00
3 to 4 ft.	B. & B.....	2.75	22.50	200.00
4 to 5 ft.	B. & B.....	4.25	37.50	325.00
5 to 6 ft.	B. & B.....	7.00	60.00	525.00
6 to 7 ft.	B. & B.....	10.00	90.00	750.00
7 to 8 ft.	B. & B.....	13.50	12.00	
8 to 10 ft.	B. & B.....	16.50	150.00	

— **TREE FORM.** Trained as single stem for shade tree.

4 to 8 ft., same price as above.

— ***alexandrina.* 18'-20'**

*Alexander Magnolia*

Quite similar in general appearance to the Saucer Magnolia but the flowers appear a little earlier and are of a rosy color.

1½ to 2 ft.	B. & B.....	2.50	20.00	150.00
2 to 3 ft.	B. & B.....	3.50	30.00	250.00
3 to 4 ft.	B. & B.....	5.00	45.00	400.00
4 to 5 ft.	B. & B.....	7.00	65.00	

— ***lennei.* 15'-18'**

*Lennie Magnolia*

A handsome fellow satisfied with fewer flowers, but each one a perfect rosy-purple pear shaped cup, firmly held erect, the broad thick petals are surprisingly white on the inside and flowering late are rarely damaged by frost. Even the big leathery leaves alone make this a worth while specimen.

1½ to 2 ft.	B. & B.....	2.50	20.00	150.00
2 to 3 ft.	B. & B.....	3.50	30.00	250.00
3 to 4 ft.	B. & B.....	5.00	45.00	400.00

**MAGNOLIA**

Each Per 10 Per 100

**soulangeana norbertiana. 15'-18'** *Norbert Magnolia*

Differs from the mother plant in having slightly smaller upright flowers thus giving a more formal "staccato" effect.

1½ to 2 ft.	B. & B.....	2.50	20.00	150.00
2 to 3 ft.	B. & B.....	3.50	30.00	250.00
3 to 4 ft.	B. & B.....	5.00	45.00	400.00
4 to 5 ft.	B. & B.....	7.00	65.00	600.00
5 to 6 ft.	B. & B.....	10.00	90.00	

**speciosa alba. 12'-15'***Showy White Magnolia*

Except for a purple stained stripe on the outside the numerous flowers are white. Grows vigorously and forms a neat bush.

1½ to 2 ft.	B. & B.....	2.50	20.00	150.00
2 to 3 ft.	B. & B.....	3.50	30.00	250.00
3 to 4 ft.	B. & B.....	5.00	45.00	400.00
4 to 5 ft.	B. & B.....	7.00	65.00	
5 to 6 ft.	B. & B.....	10.00		

**stellata. 10'-12'***Star Magnolia*

Appropriately named for dazzling white semi-double flowers which on bare twiggy branches herald the parade of its larger brothers. Occasionally a flush of tender pink will emphasize the purity of the narrow wavy petals. Delightfully fragrant.

15 to 18 in.	B. & B.....	1.50	13.50	120.00
1½ to 2 ft.	B. & B.....	1.75	15.00	135.00
2 to 2½ ft.	B. & B.....	2.50	22.50	185.00
2½ to 3 ft.	B. & B.....	4.00	35.00	300.00
3 to 4 ft.	B. & B.....	5.50	50.00	450.00
4 to 5 ft.	B. & B.....	7.50		

**tripetala. 30'-40'***Umbrella Magnolia*

Big in every way, leaves two feet long, white flowers ten inches across and a clean trunk. Tropical looking but hardy.

4 to 6 ft.....	B. & B.....	1.50	13.50	120.00
6 to 8 ft.....	B. & B.....	2.25	20.00	150.00
8 to 10 ft.....	B. & B.....	3.00		

**MAHONIA aquifolium. 3'-4'***Oregon Holly Grape*

**EVERGREEN.** Thin wavy holly-like leaves vary in color from deep green to rich purple-red, especially noteworthy in winter. When happily placed not too exposed, will perfect pretty yellow flowers followed by little grape-like bunches of black fruits. A rather loose, many stemmed bush for half shade.

1 to 1½ ft.	B. & B.....	1.00	9.00	75.00
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**MALUS arnoldiana. 12'-15'***Arnold Crab*

Enthusiasm is difficult to restrain when crabapples are in bloom. The dainty pastel shading of the airy flowers, the brilliant coloring of the fruits, the intricate branching habits, all serve to set them apart as worthy of a place in almost every planting. Arnold's Crab has semi-double flowers deep pink in bud expanding to almost white. The waxy yellow little apples are most decorative before they are relished by birds.

3 to 4 ft.....	B. & B.....	1.00	9.00	75.00
4 to 5 ft.....	B. & B.....	1.35	12.00	90.00
5 to 6 ft.....	B. & B.....	1.80	15.00	135.00
6 to 8 ft.	B. & B.....	3.60		

**atrosanguinea. 12'-15'***Carmine Crab*

Dark pink shading to deep purplish crimson flowers just envelop the whole structure of branches in May. Shapely tree.

3 to 4 ft.....	B. & B.....	1.00	9.00	
4 to 5 ft.....	B. & B.....	1.35	12.00	90.00
5 to 6 ft.....	B. & B.....	1.80	15.00	135.00
6 to 8 ft.	B. & B.....	3.60		
8 to 10 ft.	B. & B.....	5.25		

**MALUS****coronaria.** 15'-18'

Each Per 10 Per 100

*Wild Sweet Crab*

The fragrance of the pastel tinted blush pink apple blossoms just penetrate the air in spring; each tree has its own character.

4 to 5 ft.....	1.80	15.00
5 to 6 ft.....	2.25	20.00

**floribunda.** 12'-15'*Japanese Flowering Crab*

Bright pink buds and white open flowers make a pleasing contrast. The yellow fruits about pea size will turn red if the birds are not too voracious. Truly a handsome thing.

3 to 4 ft.....	1.00	9.00
4 to 5 ft.....	1.35	12.00
5 to 6 ft.....	1.80	15.00
6 to 8 ft. B. & B.....	3.60	

**halliana parkmanni.** 12'-15'*Parkman Crab*

Irregular crooked branches help to make this a picturesque winter picture and serve excellently to display the semi-double bright rose flowers nodding on long thin stems. Grows slowly.

3 to 4 ft.....	1.50	12.50	100.00
4 to 5 ft.....	1.80	15.00	135.00
5 to 6 ft.....	2.25		
6 to 8 ft. B. & B.....	4.50		

**ioensis plena.** 15'-18'*Bechtel Crab*

Each fragrant flower resembles a little pink rose prettily dangling on a two inch stalk. Quickly develops into a formal compact little tree and is the last crab apple to flower.

3 to 4 ft.....	1.00	9.00	
4 to 5 ft.....	1.35	12.00	90.00
5 to 6 ft.....	1.80	15.00	120.00
6 to 8 ft. B. & B.....	3.60	30.00	
8 to 10 ft. B. & B.....	5.25		

**niedzwetzkyana.** 12'-15'*Redvein Crab*

Leaves, flowers, fruit, bark and even the wood of this form are reddish purple. Improves with age, give space to develop.

3 to 4 ft.....	1.00	9.00	75.00
4 to 5 ft.....	1.35	12.00	90.00
5 to 6 ft.....	1.80	15.00	
6 to 8 ft. B. & B.....	3.60		

**prunifolia.** 15'-18'*Pear Leaf Crab*

Handsome red or yellow apples about an inch across dangle from the strong branches and persist way into the winter.

Large white flowers are so numerous as to resemble snow.

5 to 6 ft.....	2.25	
6 to 8 ft. B. & B.....	3.60	

**sargentii.** 8'-9'*Sargent Crab*

An interesting shrubby habit makes this a most useful shrub for the smaller place. Hard to decide whether it is most attractive when blanketed with sparkling white flowers or when the myriad glittering red berry like fruits are strung along the spreading branches and they defy zero weather.

3 to 4 ft.....	1.50	13.50	120.00
4 to 5 ft.....	2.00	18.00	150.00
5 to 6 ft. B. & B.....	3.00	27.00	
6 to 7 ft. B. & B.....	5.25	48.00	
7 to 8 ft. B. & B.....	7.50		

**scheideckeri.** 12'-15'*Scheidecker Crab*

Has large semi-double pure pink flowers of lasting quality followed by a profusion of waxy yellow fruits over a half inch in diameter. Somewhat formal and upright in habit.

3 to 4 ft.....	1.00	9.00	75.00
4 to 5 ft.....	1.35	12.00	90.00
5 to 6 ft.....	1.80	15.00	
6 to 8 ft. B. & B.....	3.60		

**MALUS****sieboldi. 12'-15'**

In the bud deep rose is predominant but the open flowers fade to white. Large golden yellow or reddish apples in autumn.

		Each	Per 10	Per 100
3	to 4 ft.	1.00	9.00	75.00
4	to 5 ft.	1.35	12.00	
5	to 6 ft.	1.80	15.00	
6	to 8 ft.	B. & B.	3.60	33.00
8	to 10 ft.	B. & B.	5.25	48.00

**— calocarpa. 12'-15'****Thick Fruited Crab**

Particularly handsome while the cherry like fruits abundantly decorate the branches. The bloomy covering at first hides the brilliant scarlet coloring of these little apples but they persist until midwinter. The spring display of large pink and white flowers seems to become more beautiful each year.

6	to 8 ft.	B. & B.	3.60	
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**spectabilis. 12'-15'****Chinese Flowering Crab**

Fragrant semi-double delicate pink flowers distinguish this beautiful upright form which for flower effect alone easily ranks among the best. Small yellow fruits are not showy.

		Each	Per 10	Per 100
3	to 4 ft.	1.00	9.00	75.00
4	to 5 ft.	1.35	12.00	90.00
5	to 6 ft.	1.80	15.00	
6	to 8 ft.	B. & B.	3.60	33.00

**theifera. 15'-18'****Tea Crab**

Even for a crab apple this is amazingly floriferous for the whole stiffly branching structure is buried under a heavy cloud of red buds and blush white flowers. The formal outline and floral effect resembles that of a cherry tree.

3	to 4 ft.	1.50	13.50	
4	to 5 ft.	2.00	18.00	
5	to 6 ft.	B. & B.	3.00	27.00
6	to 8 ft.	B. & B.	5.25	
8	to 10 ft.	B. & B.	7.50	

**toringoides. 18'-20'****Cutleaf Crab**

A cloud of white in spring but when in full fruit superlatives are inadequate for description. The yellow fruits larger than a pea flushed with bright red are borne in profusion.

3	to 4 ft.	1.35	12.00	
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**MITCHELLA repens. 2"****Partridge Berry**

EVERGREEN. Round half inch white veined dark green leaves are formally arranged on the wiry little vines which hug the ground, an effective carpet in shady woods. Fragrant white flowers are followed by well known bright red berries. A gem for the rock garden and in terrariums.

3 in. pots		.25	2.10	15.00
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**MORUS alba pendula. 8'-10'****Tea's Weeping Mulberry**

Grafted on five to six foot stems. Picturesque when old.

2 yr. heads		2.00	15.00	
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**MYRICA carolinensis. 5'-6'****Northern Bayberry**

Few things will grow in such poor dry soil as this bayberry. The gray wax berries crowded on stiff branches last just as well when cut and dried for inside decoration as they do outside. Quickly acquires a look of age. Aromatic foliage.

12 to 15 in		.50	4.00	30.00
15 to 18 in		.60	5.00	45.00
1½ to 2 ft.		.75	6.50	

Each Per 10 Per 100

**NYSSA sylvatica.** 60'-70'

Tupelo—Sour Gum

Wavy, knotted interlacing branches give this native peculiar interest in winter but it is the brilliant scarlet autumn color that stands out. Prefers moist location, dislikes transplanting.

2 to 3 ft.....	1.35	12.00	100.00
3 to 4 ft.....	1.80	15.00	120.00
4 to 5 ft.....	2.25		

**OXYDENDRUM arboreum.** 30'-35' Sorrel Tree—Sourwood

Throughout the year a handsome tree with thick shiny leaves that turn vivid scarlet early in Fall and remain colored until winter. The long bunches of white summer flowers are not to be overlooked and even the gray fruits are conspicuous.

2 to 3 ft. B. & B.....	.90	7.50	60.00
3 to 4 ft. B. & B.....	1.25	11.00	90.00
4 to 5 ft. B. & B.....	1.75	15.00	120.00
5 to 6 ft. B. & B.....	2.50	22.50	200.00
6 to 8 ft. B. & B.....	4.00	36.00	
8 to 10 ft. B. & B.....	6.00		

**PACHISTIMA canbyi.** 6"-9"

Canby Pachistima

EVERGREEN. Somewhat resembles a miniature box bush. In an open moist place will gradually spread to make a pleasing glossy green mound. Useful in rockwork or for edging.

3 in. pots.....	.50	4.50	35.00
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**myrsinites.** 1½"-2"

Myrtle Pachistima

EVERGREEN. The larger brother with leaves sometimes an inch long; and more of a bush.

3 in. pots.....	.50	4.50
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**PACHYSANDRA terminalis.** 6"-9"

Japanese Spurge

EVERGREEN. Probably the most notable of all ground covers preferring shade but succeeds even in dry sterile soil.

	Per 10	100	1000
2½ in. deep pots .....	2.00	12.00	90.00
Each Per 10 Per 100			

**PHELLODENDRON amurense.** 40'-50' Amur Cork Tree

One of the few trees that will thrive in cities. Large compound leaves and thick corky branches give the appearance of a handsome black-walnut. Withstands considerable drought.

10 to 12 ft., 2½ to 3 in.....	6.00
12 to 14 ft., 3 to 3½ in.....	7.50

**PHILADELPHUS coronarius.** 8'-10'

Mock Orange

Vigorous and long lived this old fashioned "Sweet Syringa" is often found planted near the door or windows of farm-houses where the delicious fragrance of its white flowers could be enjoyed in May and June. Endures some shade.

2 to 3 ft.....	.50	4.00	30.00
3 to 4 ft.....	.60	5.00	40.00
4 to 5 ft.....	.75	6.00	

**lemoinei.** 4'-5'

Lemoine Mock Orange

The sweet fragrance has been retained in this neat compact hybrid. Needs practically no pruning, but remains within bounds indefinitely; the small leaves hidden by the flowers.

1½ to 2 ft.....	.40	3.00	20.00
2 to 3 ft.....	.50	4.00	30.00

— Avalanche. 4'-5'

Avalanche Mock Orange

Similar to "Lemoine" but more vigor, fragrance and flowers.

1½ to 2 ft.....	.40	3.00	20.00
2 to 3 ft.....	.50	4.00	30.00

**PHILADELPHUS****lemoinei Mont Blanc. 4'-5' White Mountain Mock Orange**

These hybrids are most useful small shrubs that succeed in spite of many adverse conditions. None are more cheerful and dazzling than this when its annual June show is given.

		Each	Per 10	Per 100
1½ to 2 ft.....		.40	3.00	20.00
2 to 3 ft.....		.50	4.00	
3 to 4 ft.....		.60	5.00	

**virginalis. 7'-8'****Virginal Mock Orange**

Few shrubs have caused a greater stir of admiration than this introduction. Each flower, mostly quite double, is almost two inches across and large clusters just weigh down each branch so as to create a "heavy snowfall." The sheer white blossoms just glisten in sun or moonlight and throughout the whole summer you can enjoy the delicious fragrance from the continually open flowers. Prune out all old wood.

		Each	Per 10	Per 100
1½ to 2 ft.....		.30	2.50	20.00
2 to 3 ft.....		.40	3.00	25.00
3 to 4 ft.....		.50	4.00	30.00
4 to 5 ft.....		.60	5.00	40.00

**PHOTINIA villosa. 12'-15'****Christmas Berry**

Unsung and little known but particularly handsome in autumn when the bold leathery foliage turns almost as red as the bright berries thickly strung over the bush all winter.

2 to 3 ft.....		.70	6.00	
3 to 4 ft.....		.90	7.50	
4 to 5 ft.....		1.20	9.00	
5 to 6 ft.....		1.50		
6 to 8 ft.....		2.25		

**PHYSOCARPUS opulifolia nana. 3'-4' Dwarf Ninebark**

One of the good small shrubs that will add interest to the border with flat-topped bunches of creamy flowers in June.

3 to 4 ft.....		.60	5.00	45.00
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**PICEA asperata. 70'-80'****Rough Branch Spruce**

ALL EVERGREEN. Somewhat similar to a refined Norway Spruce, but rather slow to become established. The needles are gray-green: on large trees the bark peels in flakes.

9 to 12 in. B. & B.....		1.35	12.00	
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**canadensis. 50'-60'****White Spruce**

Seems happiest in coldest New England where it naturally grows right down to the shore line. Forms a shapely compact tree densely clothed with short silvery green needles. Grows slowly here: compact specimens.

2 to 3 ft. B. & B.....		1.75		
3 to 4 ft. B. & B.....		3.00		
5 to 6 ft. B. & B.....		6.75		
6 to 7 ft. B. & B.....		9.00		

**excelsa. 80'-100'****Norway Spruce**

Generally regarded as more valuable for windbreaks and hedges than as a decorative tree, although while young the dark green symmetrical pyramid is most useful as a Christmas tree or tub specimen. Grows rapidly, well shaped plants.

1½ to 2 ft. B. & B.....		1.00	9.00	75.00
2 to 2½ ft. B. & B.....		1.35	12.00	90.00
2½ to 3 ft. B. & B.....		1.80	15.00	120.00
3 to 4 ft. B. & B.....		2.25	20.00	180.00
4 to 5 ft. B. & B.....		3.75	33.00	300.00
5 to 6 ft. B. & B.....		6.00	52.50	
6 to 8 ft. B. & B.....		7.50	67.50	



**PICEA. ALL EVERGREEN.*****glauca conica. 5'-6'*****Dwarf Alberta Spruce**

A perfect miniature reproduction of a tall forest tree, having branches crowded into a compact narrow cone with a rugged old look about it. Very thin slaty green foliage makes an exceedingly fine texture. Best where slightly shaded.

6 to 9 in.	B. & B.....	.90	7.50	60.00
9 to 12 in.	B. & B.....	1.25	10.00	90.00
12 to 15 in.	B. & B.....	1.50	13.50	120.00
15 to 18 in.	B. & B.....	2.25	20.00	150.00
18 to 21 in.	B. & B.....	3.00	27.00	225.00

***koyamai. 40'-50'*****Koyamai Spruce**

When young a broad-based cone, but lengthens into a narrow pyramid with husky looking branches and thick needles.

4 to 5 ft.	B. & B.....	6.00
5 to 6 ft.	B. & B.....	8.25
6 to 7 ft.	B. & B.....	12.00

***omorika. 60'-80'*****Serbian Spruce**

We rate this as the King of Spruces, handsome from a foot high to its lofty maturity. On the under side the flat needles are lustrous green with white stripes above, giving a bicolor effect. Its narrow pyramidal outline is maintained and the severest climate does not influence its slow but sure growth.

1½ to 2 ft.	B. & B.....	4.00	35.00	300.00
2 to 3 ft.	B. & B.....	5.00	45.00	400.00
3 to 4 ft.	B. & B.....	9.00		
6 to 7 ft.	B. & B.....	22.50		
7 to 8 ft.	B. & B.....	27.00		
8 to 10 ft.	B. & B.....	36.00		

***orientalis. 60'-70'*****Oriental Spruce**

Graceful spreading branches sweep the ground merging into a central spire which rises with classic outline to pierce the sky. Glossy blackish green needles increase its sombre dignity—a picture of aristocratic beauty. Quite useful in small plantings owing to its slow growth and rich color.

1½ to 2 ft.	B. & B.....	4.00	35.00	300.00
2 to 2½ ft.	B. & B.....	5.25	48.00	400.00
2½ to 3 ft.	B. & B.....	7.50	65.00	
3 to 4 ft.	B. & B.....	9.00		
4 to 5 ft.	B. & B.....	12.00		
6 to 7 ft.	B. & B.....	22.50		

***politá. 60'-75'*****Tigertail Spruce**

Is the most distinct of all Spruces by reason of the thick rigid spiny needles sparsely distributed around the stubby branches.

1 to 1½ ft.	B. & B.....	1.50	13.50
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***pungens. 70'-80'*****Colorado Spruce**

A bold native Spruce with dull gray-green thick needles. Quite symmetrical and handsome when young, but becomes picturesque in old age when the lower branches disappear.

1½ to 2 ft.	B. & B.....	1.25	10.00	75.00
2 to 2½ ft.	B. & B.....	2.00	15.00	125.00
2½ to 3 ft.	B. & B.....	2.75	22.50	200.00
3 to 4 ft.	B. & B.....	4.00	35.00	300.00
4 to 5 ft.	B. & B.....	5.50	50.00	450.00
5 to 6 ft.	B. & B.....	7.50	67.50	
6 to 7 ft.	B. & B.....	10.00		
7 to 8 ft.	B. & B.....	13.50		

**PICEA ALL EVERGREEN**

*pungens glauca. 70'-80'*

*Colorado Blue Spruce*

From the variable seedlings has been selected this intensely "blue" form, so popular even in very small sizes. Well shaped.

1½ to 2 ft.	B. & B.....	2.25	20.00
2 to 2½ ft.	B. & B.....	3.75	35.00
3 to 4 ft.	B. & B.....	5.25	45.00
4 to 5 ft.	B. & B.....	7.50	
5 to 6 ft.	B. & B.....	12.00	
6 to 7 ft.	B. & B.....	15.00	

— *kosteri. 50'-60'*

*Koster's Blue Spruce*

Probably the most widely known of all evergreens, due to the brilliant silvery blue foliage, which is kept uniform by grafting selected specimens. Spectacular as a lawn specimen and ideal for the color climax or contrast in mixed plantings.

12 to 15 in.	B. & B.....	2.75	22.50	200.00
15 to 18 in.	B. & B.....	4.00	35.00	300.00
1½ to 2 ft.	B. & B.....	5.00	45.00	400.00
2 to 2½ ft.	B. & B.....	6.00	55.00	500.00
2½ to 3 ft.	B. & B.....	8.50	75.00	675.00
3 to 3½ ft.	B. & B.....	10.00	90.00	825.00
3½ to 4 ft.	B. & B.....	12.00	110.00	
4 to 5 ft.	B. & B.....	15.00	135.00	
5 to 6 ft.	B. & B.....	18.00	165.00	
6 to 7 ft.	B. & B.....	24.00		
7 to 8 ft.	B. & B.....	30.00		
8 to 9 ft.	B. & B.....	40.00		

**PIERIS floribunda. 4'-5'**

*Mountain Andromeda*

**EVERGREEN.** Both for foliage and floral effect this hardy native is well nigh indispensable. Dark green leathery privet-like leaves remain untouched in zero weather and serve splendidly as background for the upright clusters of waxy white flowers in May. Acid soil, half shady spot preferred.

12 to 15 in.	B. & B.....	1.75	15.00	135.00
15 to 18 in.	B. & B.....	2.25	20.00	180.00
1½ to 2 ft.	B. & B.....	3.00	27.00	
2 to 2½ ft.	B. & B.....	4.00	36.00	

*japonica. 6'-7'*

*Japanese Andromeda*

**EVERGREEN.** Almost the ideal shrub without a flaw. In early spring graceful pendants of waxy white urnshaped flowers are prettily interspersed among the lustrous deep green foliage. Then comes the tender green young growths beautifully winestained until the wavy leaves mature into their leathery texture defying both extreme heat and cold. In mid-winter the rugged character of the bush is emphasized by the young unopened flower buds held aloft unharmed by wind and weather to again play their part in a glorious display in May.

12 to 15 in.	B. & B.....	1.50	13.50	120.00
15 to 18 in.	B. & B.....	2.25	20.00	150.00
1½ to 2 ft.	B. & B.....	3.00	27.00	225.00
2 to 2½ ft.	B. & B.....	4.00	36.00	
2½ to 3 ft.	B. & B.....	5.50		

**PINUS cembra 30'-40'**

*Swiss Stone Pine*

**ALL EVERGREEN.** Slow growing so it may be safely used in low plantings. Generally seen as a blunt compact pyramid clothed in soft textured coat of bluish-green needles, but eventually becomes a picturesque round topped tree.

6 to 9 in.	B. & B.....	1.50	13.50
2½ to 3 ft.	B. & B.....	9.00	

**PINUS ALL EVERGREEN**      Each    Per 10    Per 100  
**densiflora umbraculifera. 8'-10'**      *Japanese Umbrella Pine*

"Tanyosho" is a vivid green flat topped cushion that very slowly expands with age. An occasional "bobbing" of the new growth in Spring will increase its neat formal appearance.

12 to 15 in.	B. & B.....	1.25	11.00	90.00
15 to 18 in.	B. & B.....	1.50	13.50	120.00
1½ to 2 ft.	B. & B.....	2.25	20.00	150.00
2 to 2½ ft.	B. & B.....	3.25	27.50	225.00
2½ to 3 ft.	B. & B.....	5.00	45.00	400.00
3 to 3½ ft.	B. & B.....	6.50	60.00	540.00
4 ft.	B. & B.....	12.00		

**excelsa. 50'-60'**      *Himalaya Pine*

Worthy of a sheltered location where it will quickly attain majestic proportions. The wide spreading branches display the slender drooping six inch needles to great advantage.

2 to 3 ft.	B. & B.....	2.75	22.50	200.00
3 to 4 ft.	B. & B.....	3.50	30.00	275.00
4 to 5 ft.	B. & B.....	5.00		
5 to 6 ft.	B. & B.....	6.75		
6 to 8 ft.	B. & B.....	10.00		

**flexilis. 30'-40'**      *Limber Pine*

Often called the "Blue" Pine because of its characteristic steel gray tufts of stiff needles, but these turn dark green when old. Even young cultivated specimens show impatience to assume their native picturesque habit so fitting with rough places.

2 to 3 ft.	B. & B.....	3.75	33.00	300.00
3 to 4 ft.	B. & B.....	5.00	45.00	400.00
4 to 5 ft.	B. & B.....	6.00	55.00	
5 to 6 ft.	B. & B.....	7.50	67.50	
6 to 7 ft.	B. & B.....	9.00	82.50	
7 to 8 ft.	B. & B.....	12.00		

**montana mughus. 3'**      *Mugho Pine*

Most conspicuous in Spring when the erect "candles" of new growth decorate the top of the low flat cushion-like bush.

15 to 18 in.	B. & B.....	2.00	17.50	150.00
1½ to 2 ft.	B. & B.....	3.00	27.50	
2 to 2½ ft.	B. & B.....	4.00	37.50	
2½ to 3 ft.	B. & B.....	5.50	50.00	
3 to 3½ ft. specimens	B. & B.....	9.00		
3½ to 4 ft. "	B. & B.....	12.00		
4 to 5 ft. "	B. & B.....	15.00		

**nigra. 50'-60'**      *Austrian Pine*

One of the most dignified of the family, with stiff dark green six inch needles covering the vigorous up curving branches. Succeeds on poor land even down to the seashore. Handsome.

3 to 4 ft.	B. & B.....	3.50	31.50	285.00
4 to 5 ft.	B. & B.....	4.50	40.00	375.00
5 to 6 ft.	B. & B.....	6.75	60.00	525.00
6 to 7 ft.	B. & B.....	9.00	82.50	
7 to 8 ft.	B. & B.....	12.00		
8 to 10 ft.	B. & B.....	18.00		

**resinosa. 60'-70'**      *Red Pine*

For this section doubtless the best pine for reforestation as it succeeds on the poorest land and soon prevents erosion of a barren hillside. Vigorous in any well drained location, its dark green needles make a good background and windbreak.

2 to 3 ft.	B. & B.....	2.25	20.00	180.00
3 to 4 ft.	B. & B.....	3.00	27.00	240.00
4 to 5 ft.	B. & B.....	4.20	37.50	350.00
5 to 6 ft.	B. & B.....	6.00	54.00	480.00
6 to 7 ft.	B. & B.....	8.25	75.00	

**PINUS ALL EVERGREEN****strobos. 80'-100'****White Pine**

Truly a noble native, handsome in its formal youth and typically picturesque in its independent old age. Extremely hardy, most adaptable. Splendid hedges can be made by clipping

2 to 3 ft.	B. & B.....	2.25	20.00	180.00
3 to 4 ft.	B. & B.....	3.00	27.00	240.00
4 to 5 ft.	B. & B.....	4.20	37.50	350.00
5 to 6 ft.	B. & B.....	6.00	54.00	480.00
6 to 7 ft.	B. & B.....	8.25	75.00	

**— fastigiata. 35'-40'****Upright White Pine**

Stiffly ascending branches form a narrow columnar tree, clothed with the same soft green mantle of needles as the parent.

1½ to 2 ft.	B. & B.....	2.25	20.00	
2 to 3 ft.	B. & B.....	3.00		
3 to 4 ft.	B. & B.....	4.50		

**— nana. 2½'-3'****Dwarf White Pine**

Notwithstanding the very compact habit this little fellow is a vigorous healthy bush. Foliage is quite similar to the type.

12 to 15 in.	B. & B.....	3.00	27.00	
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**PLATANUS orientalis. 70'-80'****European Plane Tree**

For general use a far superior tree with broad leaves that resist insects, dust and smoke. Notwithstanding rapid growth the "Sycamore" attains a fabulous age. The shapely head casts comfortable shade allowing grass to grow freely, so makes a splendid lawn tree, but whether at the seashore or on the city street it "carries on" successfully. Splendid trees.

8 to 10 ft., 1¼ to 1½ in.....	2.00	18.00		
10 to 12 ft., 1½ to 1¾ in.....	2.75	24.00		
10 to 12 ft., 1¾ to 2 in.....	3.75	35.00		
12 to 14 ft., 2 to 2½ in.....	4.50	40.00		
12 to 14 ft., 2½ to 3 in.....	6.00	55.00		

**POLYGONUM auberti. Vine, 40'-50'****Chinese Fleece Vine**

Vigorous climber that grows amazingly fast. Will effectively cover or screen undesirable objects with a dense mantle of handsome light green leaves, topped in July and August with an airy webbing of fleecy white flowers. Needs sunlight.

4 in. pots.....	.75	6.00	50.00	
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**POPULUS nigra italicica. 60'-80'****Lombardy Poplar**

Familiar as the exclamation point of landscape design, the graceful spires of restless light green leaves are most useful for grouping, formal lines, screening and even narrow streets.

4 to 6 ft.....	.75	6.00		
6 to 8 ft.....	1.00			

**simoni. 30'****Simon Poplar**

Slightly broader but otherwise comparable to the Lombardy. Nice clean shiny green foliage, disease resistant. Vigorous.

6 to 8 ft.....	1.00	9.00		
10 to 12 ft.....	2.25			

**POTENTILLA fruticosa. 3'-4'****Shrubby Cinquefoil**

Cheerful yellow single flowers bejewel the compact round bush all summer even during the hottest dryest season.

12 to 15 in.....	.40	3.00	25.00	
15 to 18 in.....	.50	4.00	30.00	

		Each	Per 10	Per 100
<b>PRUNUS cerasifera pissardi.</b>	<i>10'-12'</i>			<i>Purple Leaf Plum</i>
Annual pruning of old wood will intensify the reddish purple coloring of the peach like leaves. Pink flowers hardly noticed.				
4 to 5 ft.....		.90	7.50	
5 to 6 ft.....		1.20	10.00	
<b>glandulosa.</b>	<i>4'-5'</i>			<i>Double Flowering Almond</i>
Every willowy branch becomes a fairy wand of pure pink in very early spring. A real domestic indispensable favorite.				
1½ to 2 ft.....		.60	5.00	40.00
2 to 3 ft.....		.75	6.00	
<b>— alba.</b>	<i>4'-5'</i>			<i>White Almond</i>
Very double white flowers are the only point of difference.				
1½ to 2 ft .....		.50	4.00	
2 to 3 ft.....		.60	5.00	
<b>maritima.</b>	<i>8'-10'</i>			<i>Beach Plum</i>
Frail dainty white blossoms lightly sprinkled over the bush serve to accentuate the bare erratic stiff branches which never seem so happy as when in large drifts at their seashore home.				
1½ to 2 ft .....		.60	5.00	40.00
2 to 3 ft.....		.70	6.00	50.00
3 to 4 ft.....		.90	7.50	65.00
4 to 5 ft .....		1.20		
<b>serrulata.</b>	<i>30'-40'</i>			<i>Oriental Cherry</i>
Has typical smooth chestnut brown cherry-bark with semi-double white flowers, which in May are apt to be outshone by the exquisite pageantry of its many offsprings here named.				
6 to 8 ft.....		2.25		
<b>— Amanogawa.</b>	<i>20'-25'</i>			<i>Upright Cherry</i>
A distinct form with a Lombardy Poplar style of growth. Semi-double pink flowers gracefully hang in dense clusters.				
3 to 4 ft.....		1.50	12.50	
4 to 5 ft.....		2.00	18.00	
5 to 6 ft. B. & B.....		3.00		
6 to 8 ft. B. & B.....		5.25		
<b>— Beni-Higan.</b>	<i>30'-40'</i>			<i>Single Pink</i>
Great clouds of pale pink single flowers begin to expand in March and gradually envelop the whole tree. Vigorous growth.				
6 to 8 ft. B. & B.....		5.25		
8 to 10 ft. specimens B. & B.....		9.00		
<b>— Fugenzo (Kofugen) (James H. Veitch)</b>	<i>30'</i>			<i>Double Pink</i>
One of the latest to bloom; the unusually large double pink flowers expand with the coppery young foliage, a nice contrast. Probably one of the most popular and reliable sorts.				
4 to 5 ft.....		2.00	18.00	
5 to 6 ft. B. & B.....		3.00		
6 to 8 ft. B. & B.....		5.25		
<b>— Gyoiko</b>	<i>30'-40'</i>			<i>Double Light Green</i>
The green double flowers are more unique than pretty.				
4 to 5 ft.....		2.00		
<b>— Kwanzan.</b>	<i>30'</i>			<i>Double Pink</i>
Large very double deep pink flowers, almost red in bud, and bronze young growth coupled with its rapid growth justify the highest rating to this good form. Well formed, vigorous.				
4 to 5 ft.....		2.00	18.00	
5 to 6 ft. B. & B.....		3.00		
6 to 8 ft. B. & B.....		5.25		

**PRUNUS serrulata.**

Each Per 10 Per 100

— **Mikurumagaeshi.** 25'-30' **Double Light Pink**

Perhaps the prettiest with its bunches of frilled tassel-like flowers strung along the thick branches. The shell pink shading is just as delicate as the elusive fragrance. Scarce.

5 to 6 ft.	B. & B.....	3.00
6 to 8 ft.	B. & B.....	5.25

— **Mount Fuji (Shirotae)** 30' **Double White**

Undoubtedly the finest double white. Large and pure in color the flowers blanket the well formed tree as would snow.

4 to 5 ft.....	2.00	18.00
5 to 6 ft.....	3.00	
6 to 8 ft.....	5.25	
8 to 10 ft.....	9.00	

— **Naden.** 30'-40' **Siebold Cherry**

Very floriferous and showy when literally smothered in pale pink semi-double blossoms arranged in short stemmed clusters.

4 to 5 ft.....	2.00	18.00
5 to 6 ft.....	3.00	

— **sachalinensis. (sargentii)** 30'-40' **Yama Cherry**

More vigorous and showy than the Mother tree, having large white to pink single flowers covering bare branches in April.

4 to 5 ft.....	B. & B.....	2.25
5 to 6 ft.....	B. & B.....	3.00

— **Shirofugen.** 30' **Double Blush Pink**

Pink in bud, the very large double flowers become white, then gradually assume a blush as they mature. Vigorous.

8 to 10 ft. specimens	B. & B.....	9.00
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— **Yoshino (Yedoensis).** 40'-50' **Single Blush Pink**

Because of its conspicuous position around the Tidal Basin in Washington, D. C. this species is widely known, and also it is the "advance guard" of the gorgeous display during cherry blossom season. The single pink flowers become flushed with purple before falling. An excellent shade tree.

4 to 5 ft.....	2.00	18.00
5 to 6 ft.....	3.00	
6 to 8 ft.....	5.25	
8 to 10 ft. specimens	B. & B.....	9.00

**subhirtella pendula.** 12'-15' **Weeping Japan Cherry**

Is it possible to adequately describe those gossamer pink fountains that come from fairyland each spring? And yet they are sturdy trees that need little attention beyond a well-drained place in the sun. These are the popular tall stemmed kind.

2 yr. head.....	3.00	27.00	240.00
5 yr. head specimens	B. & B.....	9.00	
6 yr. head specimens	B. & B.....	12.00	

— — **(GRAFTED LOW)** **Weeping Cherry**

And these have branches right from the ground to produce a more informal natural effect. Similar single pink flowers.

3 to 4 ft.....	B. & B.....	3.00	27.50
4 to 5 ft.....	B. & B.....	4.00	36.00
5 to 6 ft.....	B. & B.....	6.00	
6 to 8 ft.....	B. & B.....	9.00	

— — **flore pleno.** 12'-15' **Double Fl. Weeping Cherry**

Imagine if you can, a glorified Weeping Cherry with the same graceful fountain-like sweep of branches each thickly studded with double pink flowers—it is truly magnificent.

2 yr. head .....	3.00	27.00
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**PRUNUS****tomentosa. 6'-8'**Each Per 10 Per 100  
*Nanking Cherry*

Each of the straight branches is completely surrounded by tiny white cherry blossoms, which give way to an exuberant crop of small scarlet cherries; and don't the birds relish them.

4 to 5 ft.....	.80	7.00
5 to 6 ft.....	1.00	

**triloba plena. 7'-8'***Double Flowering Plum*

Larger and still more gorgeous than cousin "Almond." The bright pink double flowers thickly stud each branch and twig.

3 to 4 ft.....	.90	8.00	70.00
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**PSEUDOTSUGA douglasi. 70'-80'***Douglas Fir*

EVERGREEN. Handsome and symmetrical from the seed bed to the towering forest monarch, this Rocky Mountain form has variable gray green foliage with soft pleasing texture.

1½ to 2 ft. B. & B.....	1.25	11.00	90.00
2 to 2½ ft. B. & B.....	2.00	15.00	125.00
2½ to 3 ft. B. & B.....	2.75	22.50	200.00
3 to 4 ft. B. & B.....	3.00	27.50	225.00
4 to 5 ft. B. & B.....	4.00	35.00	300.00
5 to 6 ft. B. & B.....	5.25	48.00	450.00
6 to 7 ft. B. & B.....	7.50	67.50	600.00
7 to 8 ft. B. & B.....	12.00	105.00	

**PYRACANTHA coccinea lalandi. 15'-18' Laland Firethorn.**

EVERGREEN. But here we have quite a different character. Strong slender branches rising from the ground develop stubby side growths upon which are hung the numerous orange red berries. Altho a handsome "specimen" shrub it is seen to best advantage when trained against a wall allowing the deep green foliage to act as a background for the berries.

6" pots, 1½ to 2 ft.....	1.75	15.00	120.00
8" pots, 2 to 3 ft.....	2.50	22.50	180.00

**QUERCUS palustris. 70'-80'***Pin Oak*

Most adaptable of the family this handsome fellow is used extensively for avenues where the trim pyramidal head accentuates distance. Deeply cut shiny foliage turns rich crimson in autumn transforming its swamp homeland where the old patriarchs rear their rugged irregular heads on a tall straight trunk devoid of lower branches—and it grows quickly!

9 to 10 ft., 1¼ to 1½ in.....	3.00	27.50
10 to 11 ft., 1½ to 1¾ in.....	4.00	35.00
11 to 12 ft., 1¾ to 2 in.....	5.00	45.00
12 to 14 ft., 2 to 2½ in.....	6.00	55.00
12 to 14 ft., 2½ to 3 in.....	8.25	75.00
14 to 16 ft., 3 to 3½ in.....	12.00	105.00
16 to 18 ft., 3½ to 4 in.....	15.00	135.00

**rubra. 70'-80'***Red Oak*

Typically oak-like this majestic tree soon acquires size and an ageless look. Beginning in spring on fuzzy tender pink clusters the glossy green leaves become stained and blotched with warm crimson red in autumn and hang on till spring. Wide spreading branches need plenty of room for development.

8 to 9 ft.....	4.00	35.00	300.00
9 to 10 ft. 1¼ to 1½ in.....	5.50	50.00	
10 to 12 ft. 1½ to 2 in.....	7.00	65.00	
10 to 12 ft. 1¾ to 2 in.....	8.25	75.00	
12 to 14 ft. 2 to 2½ in.....	10.00	90.00	

		Each	Per 10	Per 100
<b>RHAMNUS caroliniana.</b>	<i>20'-25'</i>		<i>Carolina Buckthorn</i>	

Handsome deep green leaves make a splendid background. Red berries change to black. A good dominant border shrub.

4 to 6 ft.....	.60	5.00
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<b>cathartica.</b>	<i>10'-12'</i>		<i>Common Buckthorn</i>
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Another good background shrub with glittering black berries.

2 to 3 ft.....	.40	3.00	25.00
3 to 4 ft.....	.50	4.00	30.00
4 to 5 ft.....	.60	5.00	40.00
5 to 6 ft.....	.75	, 6.50	

<b>RHODODENDRON arbutifolia.</b>	<i>4'</i>	<i>Daphne Rhododendron</i>
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**EVERGREEN.** The lovely pure pink little fairy bells brighten the shapely compact bush in June. Leaves are dull green, thick and about one and one half to three inches long. Of all the dwarf varieties this has proved most reliable with us.

9 to 12 in.	B. & B.....	2.50	22.50
12 to 15 in.	B. & B.....	3.25	30.00
15 to 18 in.	B. & B.....	4.50	40.00

<b>canadense.</b>	<i>3'-4'</i>		<i>Rhodora</i>
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Shy as most woodland subjects are the charming Rhodora of poetical fame is seldom seen. Tender purple flowers are borne on bare twigs brightening its natural moist shady home.

1½ to 2 ft.	B. & B.....	2.25
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<b>carolinianum</b> (Nursery Grown)	<i>5'-6'</i>	<i>Carolina Rhododendron</i>
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**EVERGREEN.** In an open sunny place the charming pink May bells are more colorful and the whole plant is more bushy, although half shade is quite satisfactory on acid soil.

15 to 18 in.	B. & B.....	2.25	18.00	150.00
1½ to 2 ft.	B. & B.....	3.00	24.00	210.00
2 to 2½ ft.	B. & B.....	3.75	33.00	300.00
2½ to 3 ft.	B. & B.....	4.50	42.00	375.00
3 to 4 ft.	B. & B.....	6.75	60.00	540.00

<b>— album</b> (Nur.Grown)	<i>5'-6'</i>	<i>White Carolina Rhododendron</i>
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**EVERGREEN.** White flowers and slightly larger leaves.

15 to 18 in.	B. & B.....	2.25	18.00	150.00
1½ to 2 ft.	B. & B.....	3.00	24.00	210.00
2 to 3 ft.	B. & B.....	3.75	33.00	
3 to 4 ft.	B. & B.....	7.50		

<b>catawbiense</b> (Nur. Grown)	<i>8'-10'</i>	<i>Catawba Rhododendron</i>
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**EVERGREEN.** It is natural to assume the parent of many hybrids should possess excellent qualities, and it does. Few native shrubs make such a gorgeous display as the great masses of rosy-purple flowers in May and June. Acid soil is of course necessary and broken shade ideal for the foliage.

1 to 1½ ft.	B. & B.....	2.25	20.00	150.00
1½ to 2 ft.	B. & B.....	3.00	27.00	225.00
2 to 2½ ft.	B. & B.....	3.75	33.00	300.00
2½ to 3 ft.	B. & B.....	5.00	45.00	420.00
3 to 4 ft.	B. & B.....	6.75	60.00	
4 to 5 ft.	B. & B.....	9.00		

**RHODODENDRON**

Each Per 10 Per 100

**maximum (Nursery Grown) 12'-15' Rosebay Rhododendron**

EVERGREEN. Essentially a shade plant, the "Great Laurel" forms the backbone of most woods plantings, where the leathery six inch leaves are of even greater landscape value than the pale pink flowers. Late May and June is "laurel season" but if happily placed in acid soil, preferably in masses, the rich foliage effect is pleasing and dignified the year round.

1 to 1½ ft.	B. & B.....	1.80	16.50	135.00
1½ to 2 ft.	B. & B.....	2.40	21.00	180.00
2 to 2½ ft.	B. & B.....	3.00	27.00	225.00
2½ to 3 ft.	B. & B.....	3.75	33.00	300.00
3 to 4 ft.	B. & B.....	4.80	45.00	420.00
4 to 5 ft.	B. & B.....	8.00	75.00	
5 to 6 ft.	B. & B.....	10.00	90.00	
6 to 7 ft.	B. & B.....	13.50		

**minus (punctatum). 6'-8'****Piedmont Rhododendron**

EVERGREEN. A loose open grower with smaller leaves than "Rosebay." Attractive rosy-pink flowers almost hidden by the young growth in June. Half shade and acid soil.

1½ to 2 ft.	B. & B.....	4.00		
2 to 3 ft.	B. & B.....	5.25	48.00	
3 to 4 ft.	B. & B.....	6.75		

**RHODODENDRON HYBRIDS****(ALL EVERGREEN.)**

That is, the grafted named varieties flower much more freely than any others. The individual flowers are larger, more brilliantly colored than Catawba and are produced in enormous bunches held erect about the canopy of splendid bold foliage. Altho acid soil is necessary these grafted hybrids do quite well in open sunlight but prefer light shade. All bushy.

**Letters indicate sizes in stock.****album elegans. 10'-12'**

A. B. C. D. E. F. G. H.

Grows quickly into tall narrow bush; white flushed pink.

**Everestianum. 5'-6'**

A. B. C. D. E. F.

Prettily frilled lilac-pink flowers, compact, reliable, handsome.

**maximum roseum. 8'-10'**

C. D.

Deeper pink and more profuse than type. Same large foliage.

**maximum superba. 8'-10'**

D. E. F. G.

Really a glorified "Rosebay", deeper pink flowers, large leaves.

**roseum elegans. 8'-10'**

A. B. C. D. E. F. G. H.

The most reliable and vigorous of all hybrids. Bright rose-pink flowers in great clusters almost hide handsome foliage.

**roseum superbum.**

A. B. C. D.

Lovely soft rose: and bushy vigorous habit.

**Prices for above named varieties.**

A. 12 to 15 in.	B. & B.....	2.25	20.00	180.00
B. 15 to 18 in.	B. & B.....	3.00	27.00	240.00
C. 1½ to 2 ft.	B. & B.....	3.75	33.00	300.00
D. 2 to 2½ ft.	B. & B.....	4.50	40.00	360.00
E. 2½ to 3 ft.	B. & B.....	6.75	60.00	525.00
F. 3 to 3½ ft.	B. & B.....	9.00	85.00	800.00
G. 3½ to 4 ft.	B. & B.....	12.00	110.00	
H. 4 to 5 ft.	B. & B.....	16.50	150.00	

Each Per 10 Per 100

**RHODODENDRON HYBRIDS—continued**

<b>America.</b>	<i>5'-6'</i>					<b>A. B.</b>
	Bright cheerful red.					
<b>Amphion.</b>	<i>6'-8'</i>					<b>A. B.</b>
	Has large white eye, broad pink edges.					
<b>Caractacus.</b>	<i>6'-8'</i>					<b>A. B. C. D. E. F.</b>
	A popular old kind with gorgeous rich crimson flowers.					
<b>catawbiense album.</b>	<i>6'-8'</i>					<b>A. B. C. D. E.</b>
	Splendid foliage, vigorous grower, large pure white flowers.					
<b>Charles Bagley.</b>	<i>7'-8'</i>					<b>A. B. C.</b>
	Brilliant cherry-red flowers in big bunches. A reliable grower.					
<b>Cunningham's White.</b>	<i>5'-6'</i>					<b>A. B.</b>
	Rather narrow lustrous green leaves just smothered in a blanket of pure white flowers in early May. Easily grown.					
<b>Delicatissimum.</b>	<i>6'-8'</i>					<b>A. B. C. F. G. H.</b>
	A tall grower besprinkled with dainty bells of tenderest pink.					
<b>Dr. H. C. Dresselhuis.</b>	<i>6'-8'</i>	Good lively red.				<b>A. B. C.</b>
<b>E.S. Rand.</b>	<i>6'-8'</i>					<b>A. B.</b>
	Has very large rich crimson flowers with a darker eye.					
<b>Lady Armstrong.</b>	<i>6'-8'</i>					<b>E. F.</b>
	Light pink spotted with green and maroon. Open in growth.					
<b>Mrs. C. S. Sargent.</b>	<i>6'-8'</i>					<b>C. D. E.</b>
	Very large glowing pink flowers, handsome wavy foliage.					
<b>Old Port.</b>	<i>6'-8'</i>	Unique vinous color, reddish violet.				<b>A. B. C.</b>
<b>Parson's rubrum.</b>	<i>6'-8'</i>					<b>B. C. E. F.</b>
	Deep purplish red, very hardy and dependable for flowers.					
<b>Purpureum elegans.</b>	<i>6'-8'</i>					<b>E. F.</b>
	In bud a rich deep purple opening to deep lavender, handsome.					
<b>Purpureum grandiflorum.</b>	<i>6'-8'</i>	Large purple trumpets.				<b>B. C.</b>
B.	15 to 18 in.	B. & B.....	4.00	35.00		
C.	1½ to 2 ft.	B. & B.....	5.00	45.00		
D.	2 to 2½ ft.	B. & B.....	7.50	67.50		
E.	2½ to 3 ft.	B. & B.....	11.00	100.00		
F.	3 to 3½ ft.	B. & B.....	15.00	135.00		
<b>Boule de Niege.</b>	<i>4'-5'</i>					<b>Snowball Rhododendron</b>
	Extremely hardy, this dwarf form retains its irregular mounded outline, well furnished with light green leaves and liberally dotted with large clusters of sheeny white flowers.					
12 to 15 in.		B. & B.....	4.00	36.00	300.00	
15 to 18 in.		B. & B.....	5.25	48.00	450.00	
1½ to 2 ft.		B. & B.....	6.75	60.00	525.00	
2 to 2½ ft.		B. & B.....	9.00	82.50	750.00	
2½ to 3 ft.		B. & B.....	12.00	110.00		
<b>RHODOTYPOS kerrioides.</b>	<i>5'-6'</i>					<b>Jetbead</b>
	A compact well furnished shrub studded in May and June with four-petal flowers that are as intensely white as the bead-like fruits are glittering jet black. These persist all winter.					
3 to 4 ft.....			.50	4.50	40.00	
4 to 5 ft.....			.70	6.00		
<b>RHUS canadensis.</b>	<i>4'-5'</i>					<b>Fragrant Sumach</b>
	Clusters of yellow spiny flowers precede the glistening little grape-like bunches of coral-red globules that ripen in June. The aromatic foliage turns brilliant orange and scarlet in autumn. Vine-like habit is particularly useful for dry slopes.					
1½ to 2 ft.....			.50	4.00		
2 to 3 ft.....			.60	5.00	45.00	

Each Per 10 Per 100

**RHUS cotinus. 12'-15'***Smoke Tree*

Until the filmy purplish cloud of fruit cluster becomes so noticeable in July we are apt to overlook the fine qualities of this handsome shrub. The clean flat round leaves are stained pink while young, then mature with yellow and purple tones in fall. As a specimen few shrubs can equal its bold rugged outline which is accentuated as the thick branches become gnarled with great age. These are fine bushy plants.

1½ to 2 ft.....	.50	4.50	35.00
2 to 3 ft.....	.60	5.00	
3 to 4 ft.....	.75	6.00	
4 to 5 ft.....	1.10	9.00	
5 to 6 ft.....	1.25	11.00	
6 to 8 ft .....	1.50	13.50	
SPECIMENS 7x5 ft. B. & B .....	5.00	to 10.00	

**ROBINIA hispida. 6'-8'***Rose Acacia*

Clusters of bright rose colored sweet pea-like flowers hang from the slender branches in May. By means of spreading underground stems a mass is quickly formed and this habit is utilized for holding slopes. Thrives on poor soil and drought.

3 to 4 ft.....	.90	7.50	
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**ROSA blanda. 3'-4'***Meadow Rose*

Lovely pink flowers about two inches across are sparsely produced on thornless reddish branches in May. Plant in masses.

1½ to 2 ft.....	.50	4.50	
2 to 3 ft.....	.60	5.50	

**F. J. Grootendorst. 4'-5'***Grootendorst Rose.*

Although small, the red flowers are produced over a long season—bushy habit is useful for hedging.

2 to 3 ft.....	.60	5.00	
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**hugonis. 6'-8'***Hugonis Rose*

In early May each arching branch becomes almost overnight a beautiful rope of clear yellow single flowers. And the small fernlike foliage alone justifies its use in the shrub border.

2 to 3 ft.....	.75	6.00	
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**lucida (virginiana.)***Virginia Rose*

Has large shining leaves and goodly numbers of rose pink flowers lasting into July. A good native to introduce.

1½ to 2 ft.....	.50	4.50	
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**rubiginosa. 5'-6'***Sweetbrier*

Cherry-pink flowers in June call attention to aromatic foliage.

1½ to 2 ft .....	.50	4.50	
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**rugosa 5'-6'***Red Rugosa Rose*

Handsome as a massed shrub with rich green glossy foliage and surprisingly large single crepe-like deep pink flowers that scent the air with fragrance. The large yellow and red hips are decorative, too. A useful shrub for seaside exposures.

1½ to 2 ft.....	.40	3.00	
2 to 3 ft.....	.60	5.00	40.00

**— alba. 4'-5'***White Rugosa Rose*

Exquisitely dainty white flowers are produced all summer.

1½ to 2 ft.....	.50	4.00	
2 to 3 ft.....	.60	5.00	

**— Max Graf. 4'-5'***Hybrid Rugosa Rose*

Excellent as a ground cover when the long growth forms a rich green blanket of rugosa-like leaves bejewelled in June with shiny pink flowers. Rambles happily on a slope.

2 yr.....	.60	5.00	
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	Each	Per 10	Per 100
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**ROSA setigera.** 10'-12'

Prairie Rose

Long arching branches will cover the ground to make a great broad bush. Large single pink flowers in July. Fine for covering wide rocky slopes, where few other shrubs succeed.

2 yr.....	.50	4.50
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**wichuriana.** Vine. 8'-10'

Memorial Rose

Most useful as a ground cover on sunny slopes where the small glossy green leaves effectively hide the long stringy vines, which root where they touch the ground. Small single white flowers brighten the picture in July. Has red fruits.

2 yr.....	.50	4.00	30.00
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**SALIX babylonica.** 30'-40'

Babylon Weeping Willow

Long stringy branches droop vertically to the ground, and with the narrow light green leaves create a soft velvety texture. Grows rapidly especially when close to water.

4 to 6 ft.....	1.50	13.50	120.00
6 to 8 ft.....	2.00	18.00	150.00
8 to 10 ft .....	2.50		

**elegantissima.** 50'-60'

Thurlow Weeping Willow

Although not quite so pendulous the wider spreading branches display the graceful curving green branchlets to splendid advantage. Even quicker growing and more vigorous than "Babylon" willow. Should be planted more freely.

6 to 8 ft.....	1.50	13.50
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**pentandra.** 30'-40'

Laurel Willow

Well named for the rich green shiny foliage serves to make this an ideal background, at seashore or inland, grows quickly.

6 to 8 ft.....	1.35	12.00
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**SCHIZOPHRAGMA hydrangeoides.** 25'-30' Hydrangea Vine

For permanence this self-clinging vine is most desirable. The round leaves are about four inches across and shingle a wall beautifully. Quite similar to the climbing Hydrangea this can be identified by the single petaled bracts among the more numerous true flowers. Must be supported for best results.

3 in. pots.....	1.25
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**SCIADOPITYS verticillata.** 20'-25'

Umbrella Pine

EVERGREEN. So called because the thick four inch leaves are arranged in whorls similar to the ribs of an umbrella. These dark green glossy needles handsomely clothe the branches which make a dense pyramidal head. Growing very slowly it can be safely used in low plantings. Drainage is essential for this unique beautiful conifer. Excellent spot plant.

5 to 6 ft. B. & B.....	22.50
6 to 7 ft. B. & B.....	30.00

**SOPHORA japonica.** 60'-70'

Chinese Scholar Tree

Improves with age as the tortuous branches assume interesting shapes, and the crop of greenish yellow pea-shaped flowers increases. Really a fine tree that should be used for avenue or specimen purposes. Easily satisfied as to soil.

2 to 3 ft.....	1.25	10.00	90.00
3 to 4 ft.....	1.80	15.00	
4 to 5 ft.....	2.50	22.50	

**viciifolia.** 5'-6'

Vetch leaf Sophora

Clusters of porcelain blue or pale violet pea blossoms appear in June to decorate this shrub. Thrives in dry sunny spot.

1½ to 2 ft.....	.90	7.50
2 to 3 ft.....	1.50	13.50
3 to 4 ft.....	2.00	

Each Per 10 Per 100

**SORBARIA arborea glabrata. 12'-15'** *Tree Spirea*

All too rarely is this bold handsome August blooming shrub seen. The feathery bunches of flowers are often two feet long, gracefully held aloft or extended at ends of arching branches. Large compound leaves add to the tropical effect.

3 to 4 ft.....	.90	7.50
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**sorbifolia. 5'-6'** *Ural False Spirea*

Quickly spreads by suckers to make a handsome clump well clothed with refined ash-like foliage, topped in August by creamy panicles of fuzzy flowers. Will grow almost anywhere.

1½ to 2 ft.....	.40	3.00	25.00
2 to 3 ft.....	.50	4.00	30.00
3 to 4 ft.....	.60	5.00	40.00

**SORBUS aucuparia. 25'-30'** *European Mountain Ash*

Ideal for the small lawn, the Rowan tree is extremely popular in Europe, where the great clusters of orange-red fruits figure in song and story, but here they serve the more practical purpose of food for robins. Good drainage is a necessity.

6 to 8 ft.....	1.50	13.50	120.00
8 to 9 ft.....	2.50	22.50	
9 to 10 ft. 1¼ to 1½ in.....	3.00	27.00	
10 to 11 ft. 1½ to 1¾ in.....	3.75	33.00	
11 to 12 ft. 1¾ to 2 in.....	4.50	40.00	
12 to 14 ft. 2 to 2½ in.....	6.00	52.50	
12 to 14 ft. 2½ to 3 in.....	7.50		

**quercifolia. 25'-30'** *Oakleaf Mountain Ash*

As the name indicates, the leaves bear a resemblance to a chestnut oak, but it does not seem to flower or fruit so freely.

6 to 8 ft.....	1.80	15.00
8 to 10 ft.....	2.75	25.00
10 to 12 ft.....	3.25	30.00
12 to 14 ft.....	4.50	

**SPIRAEA Anthony Waterer. 3'** *Waterer Spirea*

Flat topped heads of rose pink flowers are produced all summer. Compact useful shrub for "facing" tall border shrubs.

15 to 18 in.....	.40	3.00	20.00
1½ to 2 ft.....	.50	4.00	30.00
2 to 3 ft.....	.60	5.00	40.00

**arguta. 4'-5'** *Garland Spirea*

Very small grass green foliage creates a fine textured mass which in May is delicately dotted with many white flowers.

2 to 3 ft.....	.50	4.00
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**thunbergi. 4'-5'** *Thunberg Spirea*

Even finer than "arguta" this feathery light green shrub is a bank of snow in April when every twig bears its quota of white flowerlets. Striking orange and scarlet autumn coloring.

2 to 3 ft.....	.50	4.00
3 to 4 ft.....	.60	5.00

**trichocarpa. 5'-6'** *Korean Spirea*

Quite similar but coarser than Van Houtte which flowers about three weeks before this neat broad spreading bush.

1½ to 2 ft.....	.40	3.00	25.00
2 to 3 ft.....	.50	4.00	35.00
3 to 4 ft.....	.60	5.00	

**triloba. 3'-4'** *Three lobe Spirea*

Has unfortunately been eclipsed by the offspring "Van Houtte" to which it is similar but smaller in every part. Really very beautiful and useful as a low "facing" shrub.

1½ to 2 ft.....	.40	3.50
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	Each	Per 10	Per 100
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**SPIRAEA van houttei. 6'-8'** *Van Houtte Spirea*

Generally "overdone" but nevertheless very beautiful in June, when the arching branches are transformed into snowy garlands which defy description. Fortunately no special soil or location is needed but space it must have and please don't prune formally or "bob" its growth—let it grow naturally.

2 to 3 ft.....	.40	3.00	25.00
3 to 4 ft.....	.50	4.00	30.00
4 to 5 ft.....	.60	5.00	

**STEPHANANDRA flexuosa. 5'-6'** *Cutleaf Stephanandra*

Graceful arching branches well clothed with finely cut bright green leaves changing to reddish purple in autumn. Never grows "out of hand" so is very useful to face tall shrubs.

1½ to 2 ft.....	.40	3.00	25.00
2 to 3 ft.....	.50	4.00	30.00
3 to 4 ft.....	.60	5.00	40.00
4 to 5 ft.....	.75	6.00	

**STRANVAESIA davidiana. 12'-15'**

**EVERGREEN.** Handsome indeed where the loose bunches of orange scarlet berries shine out against the rich deep green broad leaves. Given a sheltered spot it will well repay one.

4 in. pots, 12 to 15 in.....	1.20	10.00	90.00
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**STYRAX japonica. 18'-20'** *Japanese Snowbell*

To say merely "a beautiful tree" is almost a travesty on this comparatively unknown subject. In July the wide spreading branches are closely strung with nodding pure white bells, an exceedingly handsome picture. Specimens or lawn plants are more effective than in mass. Spring planting is best.

2 to 3 ft.....	.60	5.00	45.00
3 to 4 ft.....	.75	6.00	50.00
4 to 5 ft.....	.90	7.50	
5 to 6 ft.....	1.25		

**obassia. 25'-30'** *Fragrant Snowbell*

Strikingly large round handsome leaves partially hide the well shaped white flowers but the fragrance causes one to look up and see the loose bunches along the branches. Rarely seen but a splendid thing that will be appreciated when known.

10 to 12 ft. specimens, B. & B	13.50
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**SYMPHORICARPOS chenaultii 3'-4'** *Chenault Coralberry*

Quite an improvement on the Coralberry of which this is a hybrid. Always neat and well furnished in appearance particularly handsome when the slender branches are laden with the bunches of coral red fruits, which last until midwinter.

3 to 4 ft.....	.50	4.50	40.00
4 to 5 ft.....	.60	5.00	

**racemosus. 4'-5'** *Snowberry*

Well loved for the large white berries which weigh down the willowy branches in September, widely used for inside decorations. Happiest in half shady spot but most adaptable.

1½ to 2 ft.....	.30	2.50	20.00
2 to 3 ft.....	.40	3.00	25.00
3 to 4 ft.....	.50	4.00	

Each Per 10 Per 100

**SYMPHORICARPOS vulgaris. 4'-5'** Coralberry

Like the Snowberry is not fastidious as to soil and location, in fact does well even in a dry shady place where the bunched coral berries remain bright until early Spring. Somewhat straggling but splendid for massing and naturalizing.

1½ to 2 ft.....	.30	2.50	20.00
2 to 3 ft.....	.40	3.00	25.00
3 to 4 ft.....	.50	4.00	

**SYMPLOCOS paniculata 20'-25'** Turquoise Berry

Just imagine a well grown Hawthorn heavily laden with turquoise blue berries and you have an idea of what this rarity looks like in autumn, a magnificent sight. In spring white flowers are quite conspicuous and an intricate arrangement of branches show in winter. Prefers well drained place.

1½ to 2 ft.....	1.00	9.00	75.00
2 to 2½ ft.....	1.50	12.00	

**SYRINGA chinensis. 12'-15'** Chinese Lilac

Slender graceful branches terminate in compact clusters of purple lilac flowers. This hybrid form is generally conceded as better than its parent "persica" for general uses and cutting.

2 to 3 ft.....	.40	3.00	25.00
3 to 4 ft.....	.60		

**— saigeana. 12'-15'** Purple Chinese Lilac

An even better variety with glowing purple-red flowers and far better foliage. Grows more vigorously too. Both are at their best in May and develop into handsome specimens.

2 to 3 ft.....	.40	3.00	25.00
3 to 4 ft.....	.60	5.00	

**persica. 8'-10'** Persian Lilac

Doubtless will always be popular for its fragrant pale lilac flowers which are loosely arranged on thin arching branches.

1½ to 2 ft.....	.50	4.00
2 to 3 ft.....	.60	

**— alba. 7'-8'** White Persian Lilac

The white flowers are faintly tinged blue before fully expanded.

1½ to 2 ft.....	.50	4.00
2 to 3 ft.....	.60	5.00
3 to 4 ft.....	.75	

**vulgaris. 12'-15'** Common Purple Lilac

A great old commoner, the mere mention of which never fails to recall the delicious fragrance of May. By close association with man from early days, has become an institution. No matter where you place it the lovely flowers will smile at you every year, so don't fuss about a particular spot.

1½ to 2 ft.....	.30	2.50	20.00
2 to 3 ft.....	.40	3.50	25.00
3 to 4 ft.....	.50	4.00	30.00
4 to 5 ft.....	.60	5.00	

**— alba. 12'-15'** Common White Lilac

Is the white form more fragrant? Just try them side by side.

1½ to 2 ft.....	.40	3.00	25.00
2 to 3 ft.....	.50	4.00	30.00
3 to 4 ft.....	.60	5.00	40.00
4 to 5 ft.....	.75	6.00	50.00

**SYRINGA****French Lilacs. 8'-15'**

Each Per 10 Per 100

**Hybrid Lilac**

**Alphonse Lavalle.** Medium sized, double flowers, lilac. A. C.  
**De Mirabel.** Single bluish violet large trusses, dwarf. C.  
**Edith Cavell.** Double white. Handsome sturdy bush. C.  
**Edward Andre.** Almost a clear pink. Double. C.  
**Emil Gentil.** Bright cobalt blue and really double. C.  
**Katherine Havemeyer.** Large double flowers, mauve. C.  
**Leon Gambetta.** Double lilac, tall grower, large trusses. C.  
**Ludwig Spaeth.** Large, narrow clusters of dull purple. A. B. C.  
**Marie Le Graye.** Single white medium narrow clusters. A B. C.  
**Michael Buchner.** Double, pinkish flowers in clusters. A. B.  
**Mme. Lemoine.** Snow white double. Good old reliable. A. B.  
**Mrs. Edward Harding.** Bright carmine double, tall. C.  
**President Grevy.** Soft blue-violet double flowers in large pyramidal clusters. Old but ever true and hard to beat. A.B.C.  
**President Poincaire.** Double violet. A. B.  
**President Failliere.** Great trusses of pale lavender flowers. C.  
**Rubra de Marly.** Single bluish lavender. A. B. C.  
**Wm. Robinson.** Large double mauve pink flowers in loose irregular panicles are freely produced—an attractive shade. A.

**Letters indicate size in stock**

A. 1½ to 2 ft.....	.75	6.00
B. 2 to 3 ft.....	1.00	9.00
C. 3 to 4 ft.....	1.50	12.00

**TAXODIUM distichum. 70'-80'****Bald Cypress**

Peculiarly soft fern-like foliage airily covers the tall narrow pyramid, supported by a straight broad based trunk tapering to a spear like leader. In its swampy home no care is necessary but some shelter will help in establishing this unique deciduous conifer here. Has some resemblance to the Larch.

4 to 6 ft.	B. & B.....	4.50	40.00	375.00
6 to 8 ft.	B. & B.....	6.50	60.00	
8 to 10 ft.	B. & B.....	8.25	75.00	

**TAXUS baccata compacta. 10'-12' Compact English Yew**

**ALL EVERGREEN.** Shaped like an enormous black-green egg standing on broad end, filled with stiff ascending branches.

2 to 2½ ft.	B. & B.....	3.00
2½ to 3 ft.	B. & B.....	4.00
3 to 4 ft.	B. & B.....	6.00
4 to 5 ft.	B. & B.....	12.00
5 to 6 ft.	B. & B.....	18.00

**— erecta. 8'-10'****Broom Yew**

Upright branches form a broad open column with an irregular jagged broom like top perfectly covered by small green leaves.

2½ to 3 ft.	B. & B.....	4.00
3 to 4 ft.	B. & B.....	6.00

**— repandens. 2'-3'****Spreading English Yew**

Winter coloring is particularly rich when the long curved leaves constitute the darkest green spot in the landscape. Spreading horizontal branches form a most useful bush for low plantings or large rock work; makes handsome edging.

9 to 12 in.	B. & B.....	.90	7.50	60.00
12 to 15 in.	B. & B.....	1.20	10.00	90.00
15 to 18 in.	B. & B.....	1.50	13.50	120.00
1½ to 2 ft.	B. & B.....	2.00	18.00	
2 to 2½ ft.	B. & B.....	3.00	27.00	
2½ to 3 ft.	B. & B.....	4.50		

TAXUS.	ALL EVERGREEN.	Each	Per 10	Per 100
<b>baccata washingtoni. 6'-8'</b>			<i>Golden Yew</i>	
Rather a surprising color among the somber Yews, but a handsome variation, brightest in summer. A broad bush.				
1½ to 2 ft.	B. & B.....	3.00	24.00	
2 to 2½ ft.	B. & B.....	4.00	36.00	
<b>canadensis. 3'-4'</b>			<i>Canada Yew</i>	
Under the dense shade of Pines and Hemlocks on a moist cool slope this "ground Hemlock" is the ideal ground cover. Altho extremely hardy must not be exposed to winter sun.				
1 to 1½ ft.	B. & B.....	1.35	12.00	
<b>— stricta. 2'-2½'</b>			<i>Dwarf Hedge Yew</i>	
Added to its inherent hardness the compact bushy character of this newcomer make it a thoroughly dependable evergreen hedge plant. Withstands severe clipping, retains a dark green color throughout the year.				
10 to 12 in.	B. & B.....	1.20	10.00	90.00
12 to 15 in.	B. & B.....	2.25	18.00	150.00
15 to 18 in.	B. & B.....	3.00	27.00	
<b>cuspidata. 12'-15'</b>			<i>Japanese Yew</i>	
Vigorous, hardy, most dependable and practically naturalized gives promise of becoming as venerable here as the English Yew in its homeland. Unless pruned occasionally will attain tremendous spread with an open center. Splendid dark green leaves are often bejeweled with brilliant crimson fruits in autumn, a "christmasy" effect. No better evergreen hedge plant.				
9 to 12 in.	B. & B.....	.90	7.50	60.00
12 to 15 in.	B. & B.....	1.20	9.00	75.00
15 to 18 in.	B. & B.....	1.50	13.50	120.00
1½ to 2 ft.	B. & B.....	2.00	18.00	150.00
2 to 2½ ft.	B. & B.....	2.50	22.50	200.00
2½ to 3 ft.	B. & B.....	3.75	33.00	300.00
3 to 3½ ft.	B. & B.....	6.00	54.00	
3½ to 4 ft.	B. & B.....	8.25		
<b>— Anderson form. 12'-15'</b>			<i>Anderson Yew</i>	
Grows even more freely but needs the knife. A fine hedge.				
15 to 18 in.	B. & B.....	1.50	13.50	120.00
1½ to 2 ft.	B. & B.....	2.00	18.00	150.00
2 to 2½ ft.	B. & B.....	2.50	22.50	200.00
2½ to 3 ft.	B. & B.....	3.75	33.00	
3 to 3½ ft.	B. & B.....	6.00	54.00	
<b>— capitata. 20'-25'</b>			<i>Tree Form Japan Yew</i>	
This is really the typical Japanese Yew from which the spreading bush form has sprung. Handsome indeed are the broad well filled pyramids so effectively used in formal gardens or a lawn specimen, and even as tub plants. Perfectly adapted for the taller hedge. Very striking with young growth in Spring.				
1½ to 2 ft.	B. & B.....	2.00	18.00	
2 to 2½ ft.	B. & B.....	3.00	25.00	225.00
2½ to 3 ft.	B. & B.....	4.50	39.00	350.00
3 to 3½ ft.	B. & B.....	5.50	50.00	450.00
3½ to 4 ft.	B. & B.....	7.50	67.50	600.00
4 ft.	B. & B.....	10.00		

**TAXUS. ALL EVERGREEN.****cuspidata nana (brevifolia). 5'-6'** *Dwarf Japanese Yew*

Conservative and careful, it takes time for this member to assume proportions becoming the dignity of such an aristocrat. Irregularly spreading in growth it will merge with rock garden planting or is excellent for permanent low effects. Intense blackish green leaves are enhanced by the coldest winter.

6 to 9 in.	B. & B.....	.90	7.50	60.00
9 to 12 in.	B. & B.....	1.35	12.00	90.00
12 to 15 in.	B. & B.....	1.80	15.00	135.00
15 to 18 in.	B. & B.....	2.50	22.50	200.00
1½ to 2 ft.	B. & B.....	3.50	30.00	270.00
2 to 2½ ft.	B. & B.....	5.25	48.00	
2½ to 3 ft.	B. & B.....	9.00		

**— nigra. 6'-8'** *Black Japanese Yew*

Low compact little bushes are slowly formed by many ascending branches clothed with the blackest green leaves imaginable.

12 to 15 in.	B. & B.....	2.50	20.00
15 to 18 in.	B. & B.....	3.00	27.00
1½ to 2 ft.	B. & B.....	4.00	

**— sieboldi. 12'-15'** *Siebold Yew*

A vigorous bushy "cuspidata" that develops real character in a few years. Quickly forms a strong well filled hedge.

1 to 1½ ft.	B. & B.....	1.20	9.00	75.00
1½ to 2 ft.	B. & B.....	2.00	18.00	
2 to 2½ ft.	B. & B.....	2.50	22.50	
2½ to 3 ft.	B. & B.....	3.75	33.00	
3 to 3½ ft.	B. & B.....	6.00	54.00	
3½ to 4 ft.	B. & B.....	8.25		

**media. 12'-15'** *Hybrid Yew*

Quite similar but more vigorous and bushy than "nana." Doubtless one of the handsomest evergreen shrubs for supplying the deep green note. Will form a characterful hedge.

9 to 12 in.	B. & B.....	1.00	9.00	75.00
12 to 15 in.	B. & B.....	1.50	12.50	100.00
15 to 18 in.	B. & B.....	2.00	18.00	150.00
1½ to 2 ft.	B. & B.....	3.00	25.00	225.00
2 to 2½ ft.	B. & B.....	4.50	40.00	350.00
2½ to 3 ft.	B. & B.....	6.00	54.00	

**— hatfieldi. 12'-15'** *Hatfield Yew*

Forms a compact perfectly furnished cone shaped bush that offers many possibilities especially in the small neat garden.

15 to 18 in.	B. & B.....	3.00	27.00	225.00
1½ to 2 ft.	B. & B.....	3.60	33.00	300.00
2 to 2½ ft.	B. & B.....	5.25	48.00	420.00
2½ to 3 ft.	B. & B.....	6.75	60.00	
3 to 3½ ft.	B. & B.....	8.25		

**— hicksii. 10'-12'** *Hicks Yew*

The logical substitute for the columnar Irish Yew in cold climates. Upright branches are covered all around with typical dark green leaves. Planted closely you have ready made hedge.

1½ to 2 ft.	B. & B.....	3.00	27.00
2 to 2½ ft.	B. & B.....	4.50	40.00
2½ to 3 ft.	B. & B.....	6.00	54.00

**— wellesleyana. 8'-10'** *Wellesley Yew*

Another child of Hatfield's that promises to be outstanding as a real hardy substitute for Irish Yew. The closely packed branches all grow upward to make, in youth at least, a well shaped fat column well furnished with thick rich green leaves.

12 to 15 in.	B. & B.....	2.75	25.00
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	Each	Per 10	Per 100
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**TEUCRIUM chamaedrys. 12"-15"** *Germander*

EVERGREEN. Interesting rock garden shrub with glossy deep green leaves and rose-purple flowers in loose spikes.

3 in. pots.....	.35	3.00	25.00
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**THUYA ALL EVERGREEN.****occidentalis. 30'-35'***American Arborvitae*

Certainly a most prolific species giving rise to many handsome widely differing forms. Too often is this "Tree of Life" prejudged in its infancy, for surely does it assume its natural place among the patriarchs of the tree world. Generally useful for hedging or formal work, its well clothed pyramidal outline can be sheared severely without hurt. Brown inside foliage can be vigorously shaken out in early spring. Most Arborvitae prefer a moist place where they see the sun all day.

2 to 3 ft.	B. & B.....	1.20	10.00	90.00
3 to 4 ft.	B. & B.....	1.50	13.50	120.00
4 to 5 ft.	B. & B.....	2.25	20.00	180.00
5 to 6 ft.	B. & B.....	3.50	30.00	
6 to 7 ft.	B. & B.....	5.00	45.00	
7 to 8 ft.	B. & B.....	7.50	67.50	

**— compacta. 4'-5'***Parson's Arborvitae*

Naturally almost globe shape. Light green foliage. Wears well.

1½ to 2 ft.	B. & B.....	1.25	10.00	
2 to 2½ ft.	B. & B.....	1.50	13.50	
2½ to 3 ft.	B. & B.....	2.00	15.00	

**— douglasi aurea. 15'-20'***Douglas Golden Arborvitae*

Bronzy yellow foliage clothes the well shaped pyramid. Very hardy and quick growing.

2 to 2½ ft.	B. & B.....	1.00	9.00	75.00
2½ to 3 ft.	B. & B.....	1.35	12.00	105.00
3 to 4 ft.	B. & B.....	2.00	18.00	150.00
4 to 5 ft.	B. & B.....	2.70	24.00	225.00
5 to 6 ft.	B. & B.....	3.75	33.00	300.00
6 to 7 ft.	B. & B.....	5.25	48.00	420.00
7 to 8 ft.	B. & B.....	7.50	67.50	

**— — pyramidalis (plicata). 20'-25'***Douglas Arborvitae*

Easily identified by the curiously twisted fern like branchlets covered with typical shiny green scale like leaves. A narrow pyramid with short lateral branches. Often called T. spiralis.

2 to 2½ ft.	B. & B.....	1.00	9.00	
2½ to 3 ft.	B. & B.....	1.35	12.00	
3 to 4 ft.	B. & B.....	2.00	18.00	150.00
4 to 5 ft.	B. & B.....	2.70	24.00	225.00
5 to 6 ft.	B. & B.....	3.75	33.00	300.00
6 to 7 ft.	B. & B.....	5.25	48.00	420.00

**— elegantissima. 15'-20'***Golden Tipped Arborvitae*

Fleshy lustrous green leaf-branches are in spring conspicuously tipped with gold but retain their vivid green throughout the winter. A well formed broad based pyramid. This is one of the finest of the varieties.

2 to 2½ ft.	B. & B.....	1.00	9.00	75.00
2½ to 3 ft.	B. & B.....	1.35	12.00	105.00
3 to 4 ft.	B. & B.....	2.00	18.00	150.00
4 to 5 ft.	B. & B.....	2.70	24.00	225.00
5 to 6 ft.	B. & B.....	3.75	33.00	300.00
6 to 7 ft.	B. & B.....	5.25	48.00	

THUYA.	ALL EVERGREEN.		Each	Per 10	Per 100
<i>occidentalis globosa.</i> 3'-4'				<i>Globe Arborvitae</i>	
A little ball of light dusty green just made for formal designs.					
12 to 15 in.	B. & B.....	.90	7.50	60.00	
15 to 18 in.	B. & B.....	1.00	9.00	75.00	
1½ to 2 ft.	B. & B.....	1.35	12.00	105.00	
2 to 2½ ft.	B. & B.....	1.80	15.00		
<i>— hoveyi.</i> 3'-4'				<i>Hovey Arborvitae</i>	
Broadly oval in outline, bright green foliage, fresh in spring.					
2 to 2½ ft.	B. & B.....	1.80	15.00		
2½ to 3 ft.	B. & B.....	2.25	20.00		
3 to 3½ ft.	B. & B.....	3.00			
<i>— Little Gem.</i> 2'-3'				<i>Little Gem Arborvitae</i>	
Apparently has been overlooked for whenever seen this appropriately named little fellow rarely fails to excite admiration and desire to possess. Hugging the ground all through life it slowly spreads and expands in billowy humps creating an age old effect. For edging, a low informal hedge, rock garden or any low planting decidedly fitting and permanent.					
9 to 12 in.	B. & B.....	1.00	9.00	75.00	
12 to 15 in.	B. & B.....	1.25	11.00	90.00	
15 to 18 in.	B. & B.....	1.75	15.00	120.00	
18 to 21 in.	B. & B.....	2.25	20.00		
<i>— lutea.</i> 12'-15'				<i>Geo. Peabody Arborvitae</i>	
Conspicuous at all times with bright yellow foliage throughout the well shaped pointed column. Helped by trimming.					
2 to 2½ ft.	B. & B.....	1.00	9.00	75.00	
2½ to 3 ft.	B. & B.....	1.35	12.00	105.00	
3 to 4 ft.	B. & B.....	2.00	18.00	150.00	
4 to 5 ft.	B. & B.....	2.70	24.00	225.00	
5 to 6 ft.	B. & B.....	3.75	33.00	300.00	
6 to 7 ft.	B. & B.....	5.25	48.00		
7 to 8 ft.	B. & B.....	7.50			
<i>— pumila.</i> 3'-4'				<i>Dwarf Arborvitae</i>	
In juvenile stage practically a globe but eventually becomes a notably round topped bush withstanding very severe climate.					
1 to 1½ ft.	B. & B.....	.90	7.50	60.00	
1½ to 2 ft.	B. & B.....	1.35	12.00	105.00	
2 to 2½ ft.	B. & B.....	1.80	15.00		
2½ to 3 ft.	B. & B.....	2.25	20.00		
<i>— pyramidalis.</i> 25'-30'				<i>Pyramidal Arborvitae</i>	
Is a narrow column clothed with lively green foliage that retains its color throughout winter. Useful alike in formal or informal planting for the spire like shafts or as a hedge.					
2 to 2½ ft.	B. & B.....	1.00	9.00	75.00	
2½ to 3 ft.	B. & B.....	1.35	12.00	105.00	
3 to 4 ft.	B. & B.....	2.00	18.00	150.00	
4 to 5 ft.	B. & B.....	2.70	24.00	225.00	
5 to 6 ft.	B. & B.....	3.75	33.00	300.00	
6 to 7 ft.	B. & B.....	5.25	48.00	420.00	
7 to 8 ft.	B. & B.....	7.50	67.50		
<i>— riversi.</i> 10'-12'				<i>Rivers Arborvitae</i>	
With a broad base this well defined pyramid is always well furnished with pleasing soft green foliage quite bright in spring.					
3 to 4 ft.	B. & B.....	2.00	18.00		
4 to 5 ft.	B. & B.....	3.00	27.00		
6 to 7 ft.	B. & B.....	6.00	54.00		

THUYA. ALL EVERGREEN.		Each	Per 10	Per 100
<b>occidentalis rosenthali. 8'-10'</b>			<i>Rosenthal Arborvitae</i>	
Decidedly worthy of wider use, as it grows slowly and its knobby rugged appearance improves with age, maturing as a "weathered" column of dark green, good even in winter.				
1½ to 2 ft.	B. & B.....	1.25	10.00	75.00
2 to 2½ ft.	B. & B.....	1.50	12.50	100.00
2½ to 3 ft.	B. & B.....	2.00	17.50	150.00
3 to 4 ft.	B. & B.....	2.75	22.50	200.00
4 to 5 ft.	B. & B.....	3.75		
<b>— umbraculifera. 3'-4'</b>			<i>Umbrella Arborvitae</i>	
Low spreading branches soon form a luscious looking rich green mushroom shaped bush. A worthwhile low form.				
2 to 2½ ft.	B. & B.....	1.80	15.00	
2½ to 3 ft.	B. & B.....	2.25		
3 to 3½ ft.	B. & B.....	3.00		
<b>— vervaeneana. 10'-12'</b>			<i>Vervaen Arborvitae</i>	
Another broad pyramid of exceptional vigor and hardiness. The foliage varies from green to yellow and bronze in winter.				
2 to 2½ ft.	B. & B.....	1.00	9.00	75.00
2½ to 3 ft.	B. & B.....	1.35	12.00	105.00
3 to 4 ft.	B. & B.....	2.00	18.00	150.00
4 to 5 ft.	B. & B.....	2.70	24.00	225.00
5 to 6 ft.	B. & B.....	3.75	33.00	300.00
6 to 7 ft.	B. & B.....	5.25	48.00	
7 to 8 ft.	B. & B.....	7.50		
<b>— wareana. 12'-15'</b>			<i>Siberian Arborvitae</i>	
Exceedingly hardy, this dense growing form makes a splendid hedge altho as a spot plant its rugged broad pyramid is worthy of consideration. Is long lived and improves with age.				
1½ to 2 ft.	B. & B.....	1.25	10.00	75.00
2 to 2½ ft.	B. & B.....	1.50	12.50	100.00
2½ to 3 ft.	B. & B.....	2.00	17.50	150.00
3 to 4 ft.	B. & B.....	2.75	22.50	200.00
4 to 5 ft.	B. & B.....	3.50	30.00	
<b>— woodwardi. 3'</b>			<i>Woodward Arborvitae</i>	
Difficult to detect any difference between this and "globosa".				
12 to 15 in.	B. & B.....	.90	7.50	60.00
15 to 18 in.	B. & B.....	1.00	9.00	75.00
1½ to 2 ft.	B. & B.....	1.35	12.00	
<b>orientalis (BIOTA) 25'-30'</b>			<i>Oriental Arborvitae</i>	
Flat fan like branches pressed together "on end" form at first an oval shape column brilliantly clothed in emerald green foliage. Eventually develops into a bushy pyramidal tree.				
2 to 3 ft.	B. & B.....	1.00	9.00	
3 to 4 ft.	B. & B.....	2.00	18.00	
4 to 5 ft.	B. & B.....	2.70	24.00	
<b>— aurea conspicua (BIOTA) 10'-12'</b>			<i>Goldspire Arborvitae</i>	
Gayly dressed in bright yellow foliage that deepens to glowing old gold and warm brown in winter. Broad colorful column.				
1½ to 2 ft.	B. & B.....	1.50	13.50	120.00
2 to 2½ ft.	B. & B.....	2.00	18.00	165.00
2½ to 3 ft.	B. & B.....	3.00	27.00	225.00
3 to 4 ft.	B. & B.....	4.00	35.00	300.00
4 to 5 ft.	B. & B.....	5.25	48.00	
5 to 6 ft.	B. & B.....	6.75		

**THUYA orien.** ALL EVERGREEN. Each Per 10 Per 100

**aurea nana (BIOTA) 4'-5' Berckman Golden Arborvitae**

From the "bed plant" to old age the same compact neat egg-shape mass is retained, changing from the brilliant yellow high lights of spring to warm reddish brown tones, tipped with gold in winter. A favorite for window boxes, edgings.

12 to 15 in.	B. & B.....	1.20	10.00	90.00
15 to 18 in.	B. & B.....	1.50	13.50	120.00
1½ to 2 ft.	B. & B.....	2.25	21.00	180.00
2 to 2½ ft.	B. & B.....	3.25	30.00	
2½ to 3 ft.	B. & B.....	4.50		

**— bakeri (BIOTA) 5'-6'**

*Baker Arborvitae*

From a low oval bush will lengthen out to a broad column of soft green. Succeeds in a hot dry place and it's hardy.

1½ to 2 ft.	B. & B.....	1.25	10.00	75.00
2 to 2½ ft.	B. & B.....	1.50	12.50	100.00
2½ to 3 ft.	B. & B.....	2.00	17.50	150.00
3 to 4 ft.	B. & B.....	3.00	27.00	

**— compacta (BIOTA) 4'-5'**

*Siebold Arborvitae*

Except for its vivid constant green foliage is similar to "Berckman." A most useful member when color isn't wanted.

15 to 18 in.	B. & B.....	1.25	10.00	80.00
1½ to 2 ft.	B. & B.....	1.50	12.50	100.00
2 to 2½ ft.	B. & B.....	2.25		

**— elegantissima (BIOTA) 10'-12' Yellow Column Arborvitae**

In outline a broad swelling column, quite compact and well furnished. Few if any conifers can compare favorably to this handsome bush for warm rich coloring throughout the year. Spring covers the surface with sparkling yellow tips ripened by the summer sun to golden brown, and winter even sub-zero temperature, brings out the rich reddish bronze coat flecked with yellow brilliants, with vivid green inside.

1½ to 2 ft.	B. & B.....	1.20	10.00	90.00
2 to 2½ ft.	B. & B.....	1.50	13.50	120.00
2½ to 3 ft.	B. & B.....	2.25	20.00	180.00
3 to 4 ft.	B. & B.....	3.00	27.00	240.00
4 to 5 ft.	B. & B.....	4.25	36.00	330.00
5 to 6 ft.	B. & B.....	6.75		

**plicata atrovirens (lobbi) 35'-40'**

*Giant Arborvitae*

Lustrous green fleshy leaves clothe the branchlets assuming warm bronze tones in winter. Given a sunny reasonably moist spot will quickly develop into a splendid dignified irregular tree. Quite unlike any other arborvitae, handsome.

2 to 3 ft.	B. & B.....	1.25	10.00	90.00
3 to 4 ft.	B. & B.....	2.00	18.00	150.00
4 to 5 ft.	B. & B.....	2.70	24.00	225.00
5 to 6 ft.	B. & B.....	3.75	33.00	300.00
6 to 7 ft.	B. & B.....	5.25	48.00	
7 to 8 ft.	B. & B.....	7.50		

**standishi. 12'-15'**

*Standish Arborvitae*

Rather sorrowful but provides a welcome "break" with its open branches, irregular pyramidal habit and coarse growth. The south side tones down to a warm bronze in winter.

2 to 3 ft.	B. & B.....	2.00	17.50	150.00
3 to 4 ft.	B. & B.....	2.75	22.50	200.00
4 to 5 ft.	B. & B.....	4.00	35.00	300.00
5 to 6 ft.	B. & B.....	5.25	50.00	450.00
6 to 7 ft.	B. & B.....	6.75	60.00	

	Each	Per 10	Per 100
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**TILIA americana. 80'-90'***American Linden*

In a fairly moist location this native Basswood will, once started, quickly develop into a large limbed round topped tree, handsome in its dress of great heart shaped leaves, conspicuous in June when the fragrant flowers attract bees.

9 to 10 ft., 1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ in.....	2.50	22.50
10 to 11 ft., 1 $\frac{1}{2}$ to 1 $\frac{3}{4}$ in.....	3.25	28.50
11 to 12 ft., 1 $\frac{3}{4}$ to 2 in.....	4.00	35.00
12 to 14 ft., 2 to 2 $\frac{1}{2}$ in.....	5.00	45.00
12 to 14 ft., 2 $\frac{1}{2}$ to 3 in.....	6.75	60.00

**cordata. 70'-80'***Littleleaf European Linden*

Generally conceded the best form for street planting as the dark green leaves remain good until late autumn. The compact low branched head is particularly fitted to lawn purposes where the branches make a natural canopy, fragrant in June.

8 to 9 ft.....	3.00	27.50	250.00
9 to 10 ft., 1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ in.....	4.00	37.50	325.00
10 to 11 ft., 1 $\frac{1}{2}$ to 1 $\frac{3}{4}$ in.....	5.00	45.00	400.00
11 to 12 ft., 1 $\frac{3}{4}$ to 2 in.....	6.50	57.50	500.00
12 to 14 ft., 2 to 2 $\frac{1}{2}$ in.....	8.00	70.00	650.00
12 to 14 ft., 2 $\frac{1}{2}$ to 3 in.....	11.00	100.00	900.00
12 to 14 ft., 3 in.....	13.50		

**euchlora. 70'-80'***Crimean Linden*

Shiny yellow branchlets, distinctive—good clean foliage.

8 to 10 ft.....	3.00
8 to 10 ft., 1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ in.....	3.75
10 to 12 ft., 1 $\frac{1}{2}$ to 1 $\frac{3}{4}$ in.....	4.50
10 to 12 ft., 1 $\frac{3}{4}$ to 2 in.....	6.00

**platyphyllus (grandiflora) 80'-100' Bigleaf European Linden**

Maybe not as popular as the small leaved brother but a robust handsome fellow that has made famous the stately avenues of Europe. Both types are often formally clipped.

9 to 10 ft., 1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ in.....	3.50	30.00	270.00
10 to 11 ft., 1 $\frac{1}{2}$ to 1 $\frac{3}{4}$ in.....	4.50	40.00	350.00
11 to 12 ft., 1 $\frac{3}{4}$ to 2 in.....	6.00	52.50	450.00
12 to 14 ft., 2 to 2 $\frac{1}{2}$ in.....	7.50	67.50	
12 to 14 ft., 2 $\frac{1}{2}$ to 3 in.....	10.00	90.00	

**— pyramidalis. 40'-50'***Pyramidal Linden*

For narrow avenues or even an accent tree this would be a good choice as the clean branches all grow upward. Scarce.

6 to 8 ft.....	3.75
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**tomentosa. (argentea) 50'-60'***Silver Linden*

Few trees could be more handsome than this striking species. The heart-shaped leaves are green above and silvery white beneath. Grows into a compact specimen; in June surrounded by bees gathering honey from the sweetly fragrant flowers.

8 to 10 ft., 1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ in.....	5.00	45.00
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**TSUGA canadensis. 70'-80'***Canada Hemlock*

**EVERGREEN.** Grace, dignity and beauty have conspired successfully to make this American a living example of magnificent stateliness. With plenty of space the tree claims right to its noble forest stature, but is willing to be clipped into hedges—splendid walls of close textured green. Half shade or a north slope is preferred but sun is alright too.

2 $\frac{1}{2}$ to 3 ft.	B. & B.....	2.00	18.00	165.00
3 to 4 ft.	B. & B.....	3.00	27.00	240.00
4 to 5 ft.	B. & B.....	5.00	45.00	400.00
5 to 6 ft.	B. & B.....	7.50	67.50	600.00
6 to 7 ft.	B. & B.....	10.00	90.00	800.00
7 to 8 ft.	B. & B.....	13.50	120.00	
8 to 9 ft.	B. & B.....	16.50	150.00	

**TSUGA. ALL EVERGREEN.*****canadensis* Fremdi. 15'-20'**

Each

Per 10

Per 100

***Fremd Hemlock***

Slowly but surely this aristocrat develops into a most handsome specimen, broadly pyramidal in outline. Rich foliage is crowded on short branchlets completely clothing whole.

12 to 15 in. B. &amp; B..... 3.75 33.00

15 to 18 in. B. &amp; B..... 4.50 42.00

**— pendula. 6'-8'*****Sargent Weeping Hemlock***

EVERGREEN. Makes a tremendous mound of wavy outline many times broader than high, always well clothed and neat. Like all good things it develops slowly but becomes a real possession in your "personal effects." Magnificent.

15 to 18 in. B. &amp; B..... 3.00 27.50 225.00

1½ to 2 ft. B. &amp; B..... 4.50 40.00 375.00

2 to 2½ ft. B. &amp; B..... 6.75 60.00

SPECIMENS B. &amp; B..... 20.00 to 50.00 each

***caroliniana. 40'-50'******Carolina Hemlock***

EVERGREEN. Compared with the "Canada" Hemlock, this southerner has longer yew-like foliage, irregularly disposed on the twigs, and the spreading half drooping branches are so arranged as to create splendid shadow patterns. Absolutely hardy, in fact the foliage seems proof against sun scalding.

1½ to 2 ft. B. &amp; B..... 1.50 13.50 105.00

2 to 2½ ft. B. &amp; B..... 2.25 20.00 180.00

2½ to 3 ft. B. &amp; B..... 3.00 27.00 240.00

3 to 4 ft. B. &amp; B..... 4.20 36.00 330.00

4 to 5 ft. B. &amp; B..... 6.00 54.00 480.00

5 to 6 ft. B. &amp; B..... 8.70 81.00 750.00

6 to 7 ft. B. &amp; B..... 12.75 114.00

7 to 8 ft. B. &amp; B..... 16.50

8 to 10 ft. B. &amp; B..... 21.00

**ULMUS americana. 100'*****American Elm***

Almost wherever you go the lofty arching branches silently pronounce a benediction on the traveller. No tree it would seem can be more majestic than our dear old American Elm, a tower of strength, grace and beauty. Plant an Elm.

10 to 12 ft., 1¾ to 2 in..... 2.25 20.00 180.00

12 to 14 ft., 2 to 2½ in..... 3.50 30.00 250.00

12 to 14 ft., 2½ to 3 in..... 4.50 40.00 350.00

14 to 16 ft., 3 to 3½ in..... 7.00 60.00

16 to 18 ft., 3½ to 4 in..... 8.25

**— molini. 80'-100'*****Moline Elm***

Unexpected in the Elm family, nevertheless a most useful and handsome member is this vigorous youngster of broad conical outline clad in splendid large leaves. Ideal for narrow streets.

8 to 10 ft..... 1.75 15.00 120.00

8 to 10 ft., 1¼ to 1½ in..... 2.00 17.50 135.00

10 to 12 ft., 1½ to 1¾ in..... 2.50 20.00 180.00

10 to 12 ft., 1¾ to 2 in..... 3.50 30.00 275.00

12 to 14 ft., 2 to 2½ in..... 4.50 40.00 350.00

14 to 16 ft., 2½ to 3 in..... 7.50 67.50

16 to 18 ft., 3 to 3½ in..... 8.25

**— Vase shaped. 80'-100'*****Vase Elm***

Selected to emphasize the graceful lines of the vase shape top, and it has handsome foliage to boot. Where uniform shape is desired these budded trees must be used—not seedlings.

8 to 10 ft..... 1.75 15.00 120.00

8 to 10 ft., 1¼ to 1½ in..... 2.00 17.50 135.00

10 to 12 ft., 1½ to 1¾ in..... 2.50 20.00 180.00

10 to 12 ft., 1¾ to 2 in..... 3.50 30.00 275.00

12 to 14 ft., 2 to 2½ in..... 4.50 40.00

14 to 16 ft., 2½ to 3 in..... 7.50

16 to 18 ft., 3 to 3½ in..... 8.25

**ULMUS****campestris. 80'-100'**Each Per 10 Per 100  
English Elm

The handsome leaves remain green long after the native Elm is bare. Straight clean stems and a strong oak-like structure of branches makes this a splendid practical street tree.

8 to 10 ft., 1 1/4 to 1 1/2 in.....	3.75	35.00
10 to 12 ft., 1 1/2 to 1 3/4 in.....	4.50	40.00
10 to 12 ft., 1 3/4 to 2 in.....	6.00	
12 to 14 ft., 2 to 2 1/2 in.....	7.50	
14 to 16 ft., 2 1/2 to 3 in.....	9.00	

**VACCINIUM corymbosum.****Highbush Blueberry**

Apart from the delicious "huckleberries", here is a beautiful shrub of many uses. In sour swampy places brilliant coloring of the foliage is an annual pageant and even the clusters of waxy white bell flowers are remarkable, good winter color.

2 to 3 ft. B. & B.....	1.75	15.00	120.00
3 to 4 ft. B. & B.....	2.25	20.00	180.00

**VIBURNUM acerifolium.****Maple Leaved Viburnum**

Altho not striking, the heads of white May flowers result in bunches of glittering black berries that in autumn stand out against the gorgeous pink to purple foliage. Naturally a shade lover, and even in dense woods great masses abound.

1 1/2 to 2 ft.....	.50	4.50
2 to 3 ft.....	.60	

**americanum. 10'-12'****American Cranberry Bush**

Bright scarlet berries persist nearly all winter, handsome shrub.

2 to 3 ft.....	.50	4.00	30.00
3 to 4 ft.....	.60	5.00	40.00
4 to 5 ft.....	.75	6.00	50.00
5 to 6 ft.....	1.00	9.00	
6 to 8 ft.....	1.50		

**carlesii. 4'-5'****Fragrant Viburnum**

Waxy pink, deliciously fragrant flowers appear in little round clusters as the leaves are unfolding. Not easily grown it is well worth a select well drained sunny spot where you can keep it moist in the summer. Has greater spread than height.

1 to 1 1/2 ft. B. & B.....	.90	7.50	60.00
1 1/2 to 2 ft. B. & B.....	1.50	12.50	100.00
2 to 2 1/2 ft. B. & B.....	2.00	17.50	

**cassinoides. 6'-8'****Witherod**

Color starts in June with the large clusters of white flowers, preceding green berries which in turn change to pink and finally blue black. Leathery leaves add their touch of crimson and purple in autumn. Compact habit, prefers moist spot.

1 1/2 to 2 ft.....	.50	4.00	30.00
2 to 3 ft.....	.60	5.50	

**dentatum. 10'-12'****Arrow Wood**

Has creamy white flowers in May and black berries later. Purple and red shades are typical for autumn dress, seen to best advantage when massed in half shady moist spot.

1 1/2 to 2 ft.....	.40	3.00	25.00
2 to 3 ft.....	.50	4.00	30.00
3 to 4 ft.....	.60	5.00	

**dilatatum. 8'-10'****Linden Viburnum**

Here again time is needed to bring out the real fine character of this shrub. Handsome rough foliage, six inch clusters of creamy flowers and glittering scarlet berries all winter are a few of its assets. Practically no pruning is necessary.

1 1/2 to 2 ft.....	.75	6.00	50.00
2 to 3 ft.....	.80	7.00	60.00
3 to 4 ft.....	1.00	9.00	

**VIBURNUM****Iantana. 12'-15'**

Becomes most attractive when the handsome foliage turns red and the fruits change from crimson to black in autumn. Apparently at home in a lime soil. Useful for bold accents.

		Each	Per 10	Per 100
1½ to 2 ft.		.40	3.00	25.00
2 to 3 ft.		.50	4.00	30.00
3 to 4 ft.		.60	5.50	45.00
4 to 5 ft.		.75	6.00	55.00
5 to 6 ft.		1.00		

**Ientago. 20'-25'****Nannyberry**

Almost a tree eventually, having clean looking foliage that becomes rich purple and crimson in Fall. Black berries are decorative all winter too. Extremely hardy, prefers moist place.

2 to 3 ft.		.50	4.00	35.00
3 to 4 ft.		.60	5.00	45.00
4 to 5 ft.		.75	6.00	

**molle. 10'-12'****Kentucky Viburnum**

The rounder darker green leaves constitute the main difference between this and dentatum, if anything is more adaptable.

1½ to 2 ft.		.40	3.50	
2 to 3 ft.		.50	4.50	
3 to 4 ft.		.60	5.00	

**opus. 10'-12'****European Cranberry**

Runner-up to the American variety to which it is similar.

2 to 3 ft.		.50	4.00	
3 to 4 ft.		.60	5.00	
5 to 6 ft.		1.00	9.00	
6 to 8 ft.		1.50	13.50	

**— nanum. 1'-2'****Dwarf Cranberry**

Forms a dense globular affair packed with shoots and foliage but rarely blooms, a stunning plant for edging or hedging.

6 to 9 in.		.40	3.50	30.00
9 to 12 in.		.50	4.50	40.00
12 to 15 in.		.60	5.50	50.00
15 to 18 in.		.70	6.50	

**prunifolium. 12'-15'****Black Haw**

A sturdy clean cut shrub with few stiff upright stems and a maze of horizontal branches. Attractive pure white May flowers give place to large bunches of pink fruits turning to black. Decidedly best in masses when the intricate branches form one vast clump beautifully softened with smallish leaves, purple in fall. Effective when combined with cedars.

1½ to 2 ft.		.50	4.00	35.00
2 to 3 ft.		.60	5.00	45.00
3 to 4 ft.		.80	7.00	60.00
4 to 5 ft.		1.00	9.00	

**pubescens Canby. 7'-8'**

Somewhat similar to Arrow Wood but has rounded leaves and more compact habit.

2 to 3 ft.		.60		
3 to 4 ft.		.75		

**rhytidophyllum. 8'-10'****Leatherleaf Viburnum**

EVERGREEN. Rough deeply veined Rhododendron-like leaves quickly distinguish this bold southerner. If the brilliant red berries are to mature a sheltered half shady spot is needed.

1½ to 2 ft.	B. & B.	1.50	12.50	100.00
2 to 3 ft.	B. & B.	2.25	20.00	150.00
3 to 3½ ft.	B. & B.	3.00	27.00	

	Each	Per 10	Per 100		

**VIBURNUM sieboldi. 8'-10'****Siebold Viburnum**

Tree-like, few stemmed shrub with handsome dark green lustrous foliage, creamy flowers and berries that start out green changing to pink to black. Certainly a "dominant" shrub.

1½ to 2 ft.....	.40	3.00	25.00
2 to 3 ft.....	.50	4.00	30.00
3 to 4 ft.....	.60	5.00	45.00
4 to 5 ft.....	.90	7.50	
5 to 6 ft.....	1.50		

**tomentosum. 8'-10'****Doublefile Viburnum**

The Beau-Brummel of the family whose neatness is of little note beside the handsome spectacle afforded by a well grown specimen in full bloom. The flat topped clusters of pure white flowers are thickly strung along the top of the horizontal branches so as to resemble a fall of snow. The purple foliage color is distinctive too. By all means an indispensable.

2 to 3 ft.....	.50	4.00	30.00
3 to 4 ft.....	.60	5.00	40.00
4 to 5 ft.....	.90	7.50	

**— plicatum. 7'-8'****Japanese Snowball**

In June the familiar white three inch "Snowballs" are generously studded over a well clothed shrub, a cheerful picture; no fruits.

2 to 3 ft.....	.40	3.50	25.00
3 to 4 ft.....	.60	5.00	

**wrighti. 8'-10'****Wright Viburnum**

Somewhat like dilatatum with the same brilliant scarlet fruit.

1½ to 2 ft.....	.50	4.00	35.00
2 to 3 ft.....	.60	5.00	
3 to 4 ft.....	.75	6.50	

**VINCA minor****Periwinkle**

EVERGREEN. Accepted as THE ground cover, its close blanket of dark green foliage is well known. Shade is best but a sunny spot is alright too, if not too dry and hot.

3 in pots.....	90.00 thousand	1.50	12.00
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**VITEX macrophylla. 5'-6'****Bigleaf Chaste Tree**

A dainty shrub with branching spikes of very attractive lavender blue flowers in September beautifully offset by the star shaped gray green leaves. Must have sun, prune in spring.

1½ to 2 ft.....	.50	4.00
2 to 3 ft.....	.60	5.00
3 to 4 ft.....	.75	6.50

**WEIGELA candida. 6'-8'****Snow Weigela**

Creamy white trumpets try to outnumber the young leaves in May. Vigorous upstanding subject. Prune out the old wood.

2 to .3 ft.....	.40	3.00	25.00
3 to 4 ft.....	.50	4.00	30.00
4 to 5 ft.....	.60	5.00	40.00
5 to 6 ft.....	.75		

**— Eva Rathke. 4'-5'****Red Flowering Weigela**

Almost continuously throughout the summer the short branches are actually covered with reddish carmine blossoms.

1½ to 2 ft.....	.40	3.00	25.00
2 to 3 ft.....	.60	5.00	40.00
3 to 4 ft.....	.75	6.00	

Each Per 10 Per 100

**WEIGELA candida Feerie. 6'-8'**

If you plant only one take this which opens a little earlier than Venusta and is even more profuse, and a shade lighter.

2 to 3 ft.....	.50	4.00	30.00
3 to 4 ft.....	.75	6.00	

**— Venusta. 6'-8'***Venus Weigela*

Really an improvement on the old sorts, with large rose trumpet bells just crowded on the long sturdy branches.

1½ to 2 ft.....	.40	3.00	25.00
2 to 3 ft.....	.50	4.00	30.00

**rosea. 6'-8'***Pink Weigela*

After the long term of admirable service should be retired in favor of its lovely daughters. Just as vigorous as any.

1½ to 2 ft.....	.30	2.50	20.00
2 to 3 ft.....	.40	3.00	

**WISTERIA multijuga. Vine, 25'-30'***Longcluster Wisteria*

Properly trained the three foot sprays of purple flowers can never be forgotten. Even in May the fragrance is noteworthy.

3 yr., field grown, GRAFTS.....	1.00	9.00
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**— rosea.***Rosy Weeping Wisteria*

Similar in every way to type except in color which is a good pink. These are fine specimens, have bloomed consistently.

6 to 8 ft. strong B. & B.....	12.00	
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**sinensis. 30'-40'***Chinese Wisteria*

Shorter and therefore more compact sprays of the beautiful pea blossoms open a little before "Longcluster". That same delectable scent thrills the senses. Sun, drainage needed.

**Lavender or White.**

3 yr., field grown, GRAFTS.....	.90	7.50
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**YUCCA filamentosa. 2'-3'***Adam's Needle*

EVERGREEN. Much abused, poorly used, but withal a handsome exotic when the six foot spikes of creamy nodding bell flowers force attention in July. Try it in masses among dry rocky outcroppings, or in the wide flower border.

3 yr.....	.40	3.00	25.00
4 yr.....	.60	5.00	40.00

**ZANTHORHIZA apiifolia. 2'-2½'***Yellow Root*

For under planting with leggy shrubs no better selection could be made. Either in sun or shade, moist or dry places it will quickly spread to form a light ground cover and open its curious brownish purple flowers. Will not thrive in lime soil.

9 to 12 in.....	.30	2.50	20.00
12 to 18 in.....	.40	3.00	25.00

Information on any matters pertaining to plants and planting will be gladly given on request, and we expect to maintain a stock of the following supplies, prices of which will be quoted as needed.

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## Hardy Perennial Plants

		Each	Per 10	Per 100
<b>ACHILLEA millefolium roseum.</b>	<i>1½'-2'</i>		Pink Yarrow	
Crimson, June-July, fern like foliage..	.25	1.50	9.00	
<b>ptarmica, Boule de Nieve.</b>	<i>1½'-2'</i>		Ball of Snow Yarrow	
White, June-July, good cut flower ....	.25	1.50	10.00	
<b>tomentosa.</b>	<i>6"-8"</i>		Woolly Yarrow	
Yellow, May-June, fine woolly foliage	.25	1.80	12.00	
<b>ACONITUM fischeri.</b>	<i>2'-3'</i>		Azure Monkshood	
Deep blue, Sept.-Oct.....	.25	1.80	15.00	
<b>napellus, Spark's variety.</b>	<i>5'</i>		Spark's Monkshood	
Deep blue, July-Aug., free flowering.	.30	2.40	18.00	
<b>ACTAEA spicata alba.</b>	<i>3'</i>		Baneberry	
Large white berries in autumn, shade	.30	2.40	18.00	
<b>AETHIONEMA cordifolium.</b>	<i>6"-8"</i>		Lebanon Stonecress	
Pink heads, May-June, small leaves.	.30	2.40	18.00	
<b>AJUGA brockbanki</b>	<i>6"-8"</i>		Brockbank Bugle	
Gentian blue, May-June, bronze leaves	.25	1.80	15.00	
<b>genevensis.</b>	<i>6"-8"</i>		Geneva Bugle	
Deep blue, May-June, full spikes.....	.25	2.10	15.00	
<b>reptans.</b>	<i>4"-6"</i>		Carpet Bugle	
Purple, May-June, rampant carpeter..	.25	2.10	15.00	
<b>ALLIUM flavum minor.</b>	<i>6"</i>		Golden Allium	
Dwarf golden beauty, rare, July.....	.60	5.00	45.00	
<b>schoenoprasum.</b>	<i>8"-10"</i>		Chive	
Used for salads and soups.....	.25	2.10	15.00	
<b>Thibet.</b>	<i>6"</i>		Tibetan Allium	
Lilac heads, May-June, quite new....	.30	2.40		
<b>ALTHAEA rosea.</b>	<i>5'-7'</i>		Hollyhock	
Various colors, mixed or separate.				
July-Aug., best selection possible .....	.25	1.50	9.00	
<b>ALYSSUM rostratum.</b>	<i>4"-5"</i>		Beaked Alyssum	
Yellow, May-June, free flowering....	.25	2.10	15.00	
<b>saxatile compactum.</b>	<i>6"-9"</i>		Dwarf Golden Tuft	
Golden, April-May, silvery leaves.....	.25	1.80	12.00	
<b>— citrinum.</b>	<i>6"-8"</i>		Lemon Alyssum	
Lemon, April-May, good clear color.	.30	2.40		
<b>serpyllifolium.</b>	<i>3"-4"</i>			
Gray foliage, golden flowers, May....	.30	2.40	18.00	
<b>spinosum.</b>	<i>4"-5"</i>		Spiny Alyssum	
White, May, really a tiny shrublet ....	.30	2.40	18.00	
<b>ANCHUSA Feltham Pride.</b>	<i>4'-5'</i>		Hybrid Bugloss	
Bright blue, neat grower, June-July....	.30	2.40	18.00	
<b>italica Dropmore.</b>	<i>4'-5'</i>		Dropmore Bugloss	
Rich cobalt blue, June-July.....	.30	2.40	18.00	
<b>myosotidiflora.</b>	<i>12"-18"</i>		Siberian Bugloss	
Blue, May, resembles Forget-me-nots.	.25	2.10	15.00	

	Each	Per 10	Per 100
<b>ANDROSACE lanuginosa</b> 4"			<i>Rock Jasmine</i>
Soft rose, July-Aug., silky trailer.....	.50	4.50	
<b>ANEMONE hupehensis.</b> 18"-24"			<i>Hupeh Anemone</i>
Pink, Aug.-Sept., attractive foliage....	.25	2.10	15.00
— <b>Queen Charlotte.</b> 2'-3'			<i>Double Pink Anemone</i>
Double pink, Sept.-Oct. protect winter	.25	2.10	15.00
— <b>September Queen.</b> 18"-24"			
Deep pink, beautiful variety, Sept.....	.30	2.40	18.00
— <b>Whirlwind.</b> 2'-3'			<i>Double White Anemone</i>
Double white, Sept.-Oct., vigorous....	.25	2.10	15.00
<b>pulsatilla.</b> 8"-10"			<i>Pasque Flower</i>
Purple, April-May, feathery silver seed	.25	2.10	15.00
— <b>alba.</b> 8"-10"			<i>White Pasque Flower</i>
White chalices, April-May, cut leaves..	.35	3.00	27.00
<b>silvestris.</b> 8"-10"			<i>Snowdrop Anemone</i>
White blossoms, May-June, shade.....	.30	2.40	18.00
<b>vernalis.</b> 3"-4"			<i>Vernal Anemone</i>
White, May, flat deeply cut leaves....	.50	4.50	36.00
<b>ANTENNARIA dioica.</b> 3"-4"			<i>Pussytoes</i>
Silver foliage, easy carpenter.....	.25	2.10	15.00
<b>ANTHEMIS tinctoria kelwayi.</b> 1½'-2'			<i>Kelway Camomile</i>
Yellow, June-Oct., fine cut flower....	.25	1.50	9.00
<b>ANTHYLLIS montana carminea.</b> 3"			<i>Lady's Fiugers</i>
Deep carmine, June, sweet scented, sun	.40	3.60	30.00
<b>AQUILEGIA alpina.</b> 8"-10"			<i>Alpine Columbine</i>
Light blue, June, the true dwarf form	.30	2.40	18.00
<b>caerulea.</b> 2'			<i>Colorado Columbine</i>
Blue and white, May-June, cool soil.	.30	2.40	18.00
<b>canadensis.</b> 18"			<i>American Columbine</i>
Scarlet and gold, May-June, easy.....	.25	2.10	15.00
<b>chrysanthia.</b> 2'-2½'			<i>Golden Columbine</i>
Golden, May-June, long spurred .....	.25	1.50	10.00
<b>flabellata nana alba.</b> 8"-12"			<i>White Fan Columbine</i>
Ivory white, dwarf species, May-June	.25	1.80	12.00
<b>glandulosa.</b> 18"			<i>Alrai Columbine</i>
Sapphire and white, May-June.....	.60	5.00	45.00
<b>hybrida, Long-spurred.</b> 2½'-3'			<i>Long Spur Columbine</i>
Various beautiful colors, May-June..	.25	1.80	12.00
— <b>Crimson Star.</b> 2'-2½'			<i>Crimson Star Columbine</i>
Crimson with white centre, May-June	.30	2.40	18.00
— <b>Rose Queen.</b> 2½'-3'			<i>Pink Columbine</i>
Rose, May-June, long spurred.....	.25	2.10	15.00
<b>pyrenaica.</b> 8"-10"			<i>Pyrenees Columbine</i>
Deep blue, for rock garden, June-July	.60	5.00	45.00
<b>ARABIS albida.</b> 6"-9"			<i>White Rock Cress</i>
White, April-May, low clumps.....	.25	1.50	10.00
— <b>flore-pleno.</b> 6"-9"			<i>Double Rock Cress</i>
White, April-May, fine variety.....	.25	1.80	
— <b>kellereri.</b> 3"-4"			<i>Kellerer Rock Cress</i>
White, May, true Alpine, easy.....	.30	24.0	18.00
<b>procurrens.</b> 6"-9"			
White, May-June, bright green leaves	.30	2.40	18.00
<b>ARENARIA montana.</b> 4"-6"			<i>Mountain Sandwort</i>
White, large flowers, May-June .....	.25	2.10	15.00
<b>caespitosa.</b> 1"-2"			<i>Moss Sandwort</i>
White, May-Sept., low cushions.....	.25	2.10	15.00
— <b>aurea.</b> 1"-2"			<i>Goldmoss Sandwort</i>
Gold moss, white flowers, May-Sept.	.30	2.40	18.00

	Each	Per 10	Per 100
<b>ARRHENATHERUM bulbosum variegatum.</b> 10"-12" Oatgrass Striped green and yellow foliage .....	.50	4.00	30.00
<b>ARTEMISIA dracunculus</b> 1½'-2' Leaves used in pickling.....	.30	2.40	Tarragon
<b>pontica.</b> 12"-18" A herb used as tonic.....	.25	2.10	Roman Wormwood
<b>Silver King.</b> 2'-2½' Silvery white foliage, good for cutting	.25	1.80	Mugwort
<b>ASCLEPIAS tuberosa.</b> 2'-3' Brilliant orange, July-Aug., lowland..	.25	1.80	Butterfly Weed
<b>ASPHODELINE lutea.</b> 3'-4' Yellow, June-July, stately dense spikes	.30	2.40	Asphodeline
<b>ASTER alpinus.</b> 6"-8" Violet-blue gold centred daisies, May	.25	2.10	Rock Aster
— <b>albus.</b> 6"-8" Large white form, golden center, May	.25	2.10	White Rock Aster
<b>Mauve Cushion.</b> 6"-9" Mauve, Sept.-Oct. a mound of flowers	.25	2.10	15.00
<b>subcaeruleus.</b> 12"-15" Blue daisies in clusters, June-July.....	.25	2.10	India Aster
<b>Dwarf Hybrids.</b>			
<b>Countess of Dudley.</b> 9"-12" Clear pink, yellow eye, Sept.....	.35	2.70	21.00
<b>Lady Henry Maddocks.</b> 6" Pale pink, very dwarf, Sept.....	.35	2.70	21.00
<b>Nancy.</b> 9" Flesh pink, very free, Sept.....	.35	2.70	21.00
<b>Venus.</b> 10" Good pink, compact, Sept.....	.35	2.70	21.00
<b>Victor.</b> 6" Dwarf compact, lavender blue, Sept.	.35	2.70	21.00
<b>Hybrids.</b>			<b>Michaelmas Daisies</b>
<b>Climax.</b> 4'-5' Deep lavender, Aug., vigorous.....	.25	2.10	15.00
<b>Barr's Pink.</b> 4'-5' Large rich rose pink, Aug.-Sept.....	.30	2.40	18.00
<b>Blue Gem.</b> 3' Best blue, Sept., double flowers.....	.25	2.10	15.00
<b>Queen Mary.</b> 4'-5' Large shaggy lavender flowers, Sept	.30	2.40	18.00
<b>Ryecroft Purple.</b> 3'-4' Glowing royal purple, Aug.-Sept...	.25	2.10	15.00
<b>Sam Banham.</b> 3'-4' Dead white, Aug.-Sept. free flower.	.25	2.10	15.00
<b>Skyland Queen.</b> 3'-4' Delicate lavender, Aug.-Sept.....	.30	2.40	18.00
<b>St. Egwin.</b> 2'-2½' Delicate pink, Aug.-Sept., refined..	.25	2.10	15.00
<b>Ypres.</b> 3'-3½' Rosy-red, Sept.-Oct.....	.25	2.10	
<b>ASTILBE arendsi, Gloria.</b> 2' Deep rose pink, June.....	.45	3.60	Hybrid Astilbe
— <b>Peach Blossom.</b> 2' Light pink, June.....	.45	3.60	
— <b>Gladstone.</b> 2' Large white plumes, June.....	.45	3.60	

		Each	Per 10	Per 100
<b>AUBRIETIA</b> <i>deltoides</i> . 4"-6"				<i>Aubretia</i>
Purple, April-May, gray foliage.....	.25	2.10	15.00	
— <i>eyrei</i> . 4"-6"				<i>False Rock Cress</i>
Violet, April-May, prefers gritty soil.	.25	2.10	15.00	
— <i>graeca</i> . 4"-6"				<i>Greek Aubretia</i>
Light purple, April-May, carpeter.....	.35	2.70	21.00	
<b>New Hybrids.</b> 3"-6"				<i>Hybrid Rock Cress</i>
Various good colors, April-May.....	.35	2.70	21.00	
<b>BAPTISIA</b> <i>australis</i> . 2'-3'				<i>Blue Indigo</i>
Blue pea-like flowers, May-June, good	.25	2.10	15.00	
<b>BELAMCANDA</b> <i>chinensis</i> . 18"-24"				<i>Blackberry Lily</i>
Orange, spotted red, black berries, Aug	.30	2.40	18.00	
<b>BELLIS</b> <i>rotundifolia caeruleascens</i> . 2"-4"				<i>Round Leaf Daisy</i>
Pale blue, April-Oct. easy and dainty	.25	2.10	15.00	
<b>BELLIUM</b> <i>bellidoides</i> . 2"-4"				<i>Little Mary</i>
White, May-Oct., a diminutive daisy	.30	2.40		
<b>BOLTONIA</b> <i>asteroides</i> . 4'-5'				<i>White Boltonia</i>
White, Sept. for the wide border.....	.25	1.50	10.00	
<i>latisquama</i> <i>nana</i> . 2½'-3'				<i>Dwarf Pinkray Boltonia</i>
Tender pink, Aug-Sept. for cutting..	.25	1.50	10.00	
<b>CALAMINTHA</b> <i>alpina</i> . 6"-8"				<i>Alpine Savory</i>
Lilac, May, low green clumps .....	.25	2.10	15.00	
<b>CAMPANULA</b> <i>barbata</i> . 6"-9"				<i>Bearded Bellflower</i>
Blue, May-June, rare and beautiful....	.30	2.50		
<i>carpatica</i> . 6"-9"				<i>Carpathian Bellflower</i>
Blue, June-Aug. ever in flower.....	.25	2.10	15.00	
<i>garganica</i> . 3"-4"				<i>Alpine Bellflower</i>
Blue, May-June, well drained soil.....	.25	2.10	15.00	
<i>glomerata acaulis</i> . 12"-18"				<i>Danesblood</i>
Purple cluster, June-July, on erect stem	.30	2.40		
<i>kolenatiana</i> . 4"-6"				
Violet, June, rare choice variety.....	.35	2.40	18.00	
<i>medium</i> . 2'-3'				<i>Single Canterbury Bells</i>
Blue, white, pink, June, a biennial....	.25	1.50	10.00	
— <i>calycanthema</i> . 2½'-3'				<i>Cup and Saucer</i>
Blue, white, pink, June, a biennial ...	.25	1.50	10.00	
<i>persicifolia</i> . 2'-2½'				<i>Peach-leaved Bellflower</i>
Blue, June-July, free flowering.....	.25	1.80	12.00	
<b>Telham Beauty</b> . 3'				<i>The True Form</i>
Lavender blue, large, June-July.....	.50	4.50		
<b>portenschlagiana</b> . 3"-4"				<i>Dalmatian Bellflower</i>
Violet, May-June, always in flower.	.25	2.10	15.00	
<i>pusilla</i> . 3"-4"				
Blue, June-July, dainty hanging bells.	.50	4.50		
<b>CARLINA</b> <i>acaulis</i> . 4"-9"				<i>Carline Thistle</i>
Glistening silver, June-July, attractive..	.30	2.40		
<b>CARYOPTERIS</b> <i>incana</i> . 1½'-2'				<i>Blue Spirea</i>
Lavender-blue, Sept.-Oct.....	.35	3.00	24.00	
<b>CENTAUREA</b> <i>dealbata</i> . 1½'-2'				<i>Persian Centaurea</i>
Pink, June-Aug., finely cut foliage....	.25	1.80	12.00	
<i>montana</i> . 1½'-2'				<i>Cornflower</i>
Blue, May-July, gray leaves.....	.25	1.50	12.00	
— <i>alba</i> . 1½'-2'				<i>White Cornflower</i>
White shaggy flowers, May-Aug.....	.25	1.80	12.00	
<b>CERASTIUM</b> <i>columnae</i> . 4"-6"				
White, June, compact silver leaves.....	.30	2.40	18.00	
<b>tomentosum</b> . 6"-8"				<i>Snow-in-Summer</i>
White, June, silver foliage.....	.25	1.80	12.00	

		Each	Per 10	Per 100
<b>CHEIRANTHUS allioni.</b>	<i>1'-1½'</i>			Wallflower
Brilliant orange, May-June, fragrant..		.25	1.80	12.00
<b>CHIMAPHILA maculata.</b>	<i>6"-8"</i>			Spotted Wintergreen
White, marbled foliage, acid soil.....		.50	4.00	35.00
<b>CHRYSANTHEMUM arcticum.</b>	<i>1'-1½'</i>			False Arctic Daisy
White, Sept-Oct., a mass of bloom.		.25	1.80	12.00
<b>Hybrids.</b>	<i>2'-3'</i>			Garden Chrysanthemums
Selected varieties— <i>2½"</i> pots .....		.25	1.80	12.00
Adelaide—bronze		Miramar—bronze		
Alice Howell—buff		Mrs. W. Cartwright—large yell.		
Barbara Cumming—yellow		Mrs. J. Willis Martin—pink		
Captain Cook—rose		Murillo—pink		
Crimson Splendor—sgl.crm		New York—bronze button		
Donald Wells—sgl. white		Oconto—white		
Frances Whittlesey—red		October Girl—pink		
Gypsy Girl—red		R. Marion Hatton—yellow		
Irene—white		Rodell—yellow		
Jules LaGravere—crimson		Ruth Cumming—bronze		
Koreana—dark red		Seashell—pink		
Little Bob—crimson		White Doty—white		
		Yellow Doty—yellow		
<b>maximum.</b>	<i>2'-2½'</i>			Pyrenees Chrysanthemum
White, June-Sept., cut flower .....		.25	1.80	12.00
<b>uliginosum.</b>	<i>4'-5'</i>			Giant Daisy
White, Aug., bushy and handsome..		.25	1.80	12.00
<b>CICHORIUM intybus.</b>	<i>1'-1½'</i>			Chicory
A favorite salad.....		.25	2.10	
<b>CIMICIFUGA racemosa.</b>	<i>3'</i>			Bugbane
Beautiful white spikes, July-Aug.....		.30	2.40	18.00
<b>CLEMATIS tangutica obtusiuscula.</b>				Golden Clematis
Golden lanterns, vine, Aug., 4" pots.		1.00	8.50	
<b>CODONOPSIS ovata.</b>	<i>9"-12"</i>			
Pale blue bells, May-June .....		.30	2.40	18.00
<b>CONVALLARIA majalis.</b>	<i>9"-12"</i>			Lily of the Valley
White, May-June, clumps, fragrant..		.60	5.00	45.00
<b>COREOPSIS lanceolata grandiflora.</b>	<i>2'-2½'</i>			Big Coreopsis
Golden, June-Aug., cut flower.....		.25	1.50	10.00
<b>CORYDALIS bulbosa.</b>	<i>4"-6"</i>			Fumitory
Lilac and white flowers, May.....		.35	2.50	20.00
<b>COTULA squalida.</b>	<i>1"-2"</i>			
Fern like green foliage, a carpeter .....		.50	4.50	
<b>COTYLEDON chrysanthus.</b>	<i>4"-6"</i>			Cotyledon
Cream, handsome, June-July.....		.50	4.50	
<b>CYCLAMEN europaeum.</b>	<i>3"-4"</i>			Alpine Sow Bread
Rose-crimson, handsome foliage.....		1.35	12.00	90.00
<b>CYNOGLOSSUM nervosum.</b>	<i>12"-15"</i>			Hounds-Tongue
Azure blue, July-Sept, forget-me-nots.		.35	3.00	27.00
<b>DELPHINIUM chinense.</b>	<i>1½'-2"</i>			Slender Larkspur
Deep blue, June-Sept., nice foliage....		.25	2.10	15.00
— <i>album.</i>	<i>1½'-2'</i>			White Slender Larkspur
White, June-Sept., rockery or border.		.25	2.10	15.00
— <i>Belladonna.</i>	<i>2½'-3'</i>			Belladonna Larkspur
Sky blue, June-Aug., forces well.....		.25	1.80	12.00
— <i>bellamoxum.</i>	<i>2'-2½'</i>			
Dark blue form of last, June-Oct.....		.25	1.80	12.00
<b>Gold Medal Hybrids.</b>	<i>4'-6'</i>			Hybrid Larkspur
Various, June-Aug., best strain.....		.30	2.40	18.00

		Each	Per 10	Per 100
<b>DIANTHUS</b> allwoodi Jean.	9"-12"		Allwood Pink	
Pink and white, May-June, fragrant.	.30	2.40	18.00	
alpinus. 2"-3"			Alpine Pink	
Pink, June, enormous flowers .....	.35	3.00		
arvernensis. 3"-4"			Sand Pink	
Rose, May-June, a gray foliage mat.	.25	2.10	15.00	
caesius. 4"-5"			Cheddar Pink	
Rose pink, May-June, true form .....	.30	2.40	18.00	
deltoides, Brilliant. 6"-9"			Maiden Pink	
Pink, May-July, deep green mats.....	.25	2.10	15.00	
latifolius atroococcineus. 12"-15"			Double cluster Pink	
Brilliant scarlet, June, showy.....	.25	2.10	15.00	
neglectus. 3"-4"			Ice Pink	
Rose, buff reverse, June, spiny habit.	.25	2.10	18.00	
plumarius. 9"-12"			Grass Pink	
Various, May-Sept., large flowers....	.25	2.10	15.00	
roysii. 3"-4"			Roys Pink	
Rose, May-June, gray clumps.....	.25	2.10	18.00	
superbus nanus. 4"-6"			Fringed Pink	
May-June, fringed, scented lilac.....	.35	2.70		
<b>DICENTRA</b> cucullaria. 4"-6"			Dutchmans Breeches	
Creamy white, May-June, shade.....	.35	2.70	21.00	
spectabilis. 1½'-2'			Bleeding Heart	
Pink, white, May-June, fernlike foliage	.50	4.50	40.00	
eximia. 1'-1½'			Fringed Bleeding Heart	
Deep pink, May-July, cut foliage.....	.25	2.10	18.00	
<b>DICTAMNUS</b> albus. 2'-2½'			Gasplant	
White, May-June dislikes transplanting	.30	2.70	21.00	
— ruber. 2½'-3'			Pink Gasplant	
Rosy purple, May-June, cut flower.	.30	2.70	21.00	
<b>DIGITALIS</b> ambigua Isabellina. 3'-4'			Foxglove	
Yellow shades, June-July, fine plants.	.25	2.10	15.00	
alba. 2'-3'			White Foxglove	
White, June-July, handsome spikes....	.25	2.10	15.00	
Shirley. 3'-4'			Hybrid Foxglove	
Beautiful pink shades, June-July.....	.25	2.10	15.00	
<b>DODECATHEON</b> meadia. 12"-15"			Shooting Star	
Pink cycleman-like flowers, May-June	.25	1.80	12.00	
<b>DORONICUM</b> caucasicum. 1½'-2'			Leopardbane	
Yellow, May-June, cut flower.....	.40	3.50	30.00	
cordifolium. 18"			Leopardbane	
Rich yellow flowers, May-June.....	.40	3.60	30.00	
<b>DRACOCEPHALUM</b> ruyschiana. 1'-1½' Siberian Dragonhead				
Intense blue, June-July, uncommon..	.30	2.40	18.00	
<b>ECHINACEA</b> purpurea. 3'-4'			Purple Coneflower	
Reddish purple, July-Oct. easy grown	.25	1.80	12.00	
<b>ECHINOPS</b> ritro. 3'-4'			Globe Thistle	
Steel blue globes, July, very attractive..	.30	2.40	18.00	
<b>ERIGERON</b> aurantiacus. 4"-6"			Orange Fleabane	
Orange, June, attractive heads.....	.25	2.10	15.00	
speciosus mesa grande. 1'-1½'			Oregon Fleabane	
Lilac-blue, June-July, cut flower.....	.25	2.10	15.00	
<b>ERINUS</b> alpinus. 4"-6"			Alpine Liver-balsam	
Lilac-rose, April-May, low clumps....	.25	2.10	15.00	
— albus. 4"-6"			White Liver-balsam	
White, April-May, compact plants....	.35	3.00		

	Each	Per 10	Per 100
<b>ERODIUM amanum.</b> 4"-6"			Heronsbill
White, fern-like foliage, May-July.....	.35	3.00	
<b>chamaedrioides roseum.</b> 2"			Pink Heronsbill
Rough foliage, rose-pink, May-Sept..	.35	3.00	
<b>chrysanthum.</b> 6"			Heronsbill
Sulphur-yellow, cut foliage, May-June	.40	3.60	30.00
<b>ERYNGIUM planum.</b> 1½'-2'			Eryngo
Steel-blue thistle-heads, July-Sept.....	.25	1.80	12.00
<b>ERYTHEA massoni.</b> 2½"-3"			Masson Erythea
Rose, June-Aug. like a pink Gentian.	.40	3.60	30.00
<b>EUPATORIUM coelestinum.</b> 1½'-2'			Blue Mist Flower
Blue, Aug.-Oct., cutting flower .....	.25	1.80	12.00
<b>EUPHORBIA corollata.</b> 2'-2½'			Flowering Spurge
White, July-Aug., like baby's breath.	.25	1.80	12.00
<b>polychroma.</b> 1½'-2'			Cushion Spurge
Yellow, April-May, showy in mass..	.25	2.10	15.00
<b>FESTUCA glauca.</b> 9"-12"	Dwarf	Blue Stem Grass	
Blue-gray foliage, compact clumps....	.25	1.80	12.00
<b>GAILLARDIA grandiflora</b> 1½'-2'			Blanket Flower
Orange and red, July-Aug.....	.25	2.10	15.00
— <b>Bremen.</b> 1½'-2'			
Coppery scarlet, yellow tips, June-frost	.25	2.10	15.00
— <b>Dazzler.</b> 1½'-2'			
Golden yellow, red centre, June-Sept..	.25	2.10	15.00
<b>GENISTA sagitalis.</b> 9"-12"			Arrowhead Broom
Yellow, June-July, flat branches.....	.90	7.50	60.00
<b>GENTIANA Hascombensis.</b> 18"			Hascomb Gentian
Blue spotted white, Aug.-Sept.....	.50	4.50	
<b>lagodechiana.</b> 6"-9"			
Pale blue, July-Aug., easily grown..	.40	3.50	30.00
<b>purdomi.</b> 4"-6"			Purdom's Gentian
Violet tubular flowers, Aug.-Sept.....	.75	6.00	
<b>septemfida.</b> 6"-8"			Gentian
Rich blue clusters, July-Aug., easy ....	.40	3.50	30.00
<b>GERANIUM sanguineum.</b> 9"-12"			Bloodred Cranesbill
Magenta, May-Aug., pretty leaves....	.30	2.70	21.00
— <b>album.</b> 6"-8"			White Cranesbill
Satin white flowers, May-Aug.....	.40	3.60	27.00
— <b>lancastriense.</b> 4"-6"			Dwarf Cranesbill
Shell pink, May-Aug. a lovely Alpine.	.40	3.60	
<b>GEUM borisi.</b> 12"-15"			Boris Avens
Brilliant orange, June-Sept.....	.45	3.60	30.00
<b>Fire Opal.</b> 1½'-2'			
Brilliant orange-red .....	.60	5.00	
<b>Lady Stratheden.</b> 1½'-2'			Double orange Avens
Golden, June-Sept. splendid cut flower	.25	2.10	15.00
<b>Mrs. Bradshaw.</b> 1½'-2'			Double red Avens
Vivid red, June-Sept., very double....	.25	2.10	15.00
<b>GLOBULARIA cordifolia.</b> 4"-6"			Globe Daisy
Violet blue globes, May-June .....	.25	2.10	15.00
<b>GOODYERA pubescens.</b>			Rattlesnake Plantain
Beautiful veined leaves, white flowers	.50	4.00	30.00
<b>GYPSOPHILA cerastioides.</b> 3"-4"			Mouse-ear Gypsophila
White, veined purple, May, spreads..	.25	2.10	15.00
<b>paniculata.</b> 2'-2½'			Baby's Breath
White, June-July, for cutting .....	.25	1.50	10.00
— <b>Bristol Fairy.</b> 2'-3'			Double Baby's Breath
Double white, June-Sept., dries well..	.40	3.60	27.00

		Each	Per 10	Per 100
<b>GYPSOPHILA repens.</b> 4"-6"	Creeping Gypsophila			
White, June-July, grayish foliage.....	.25	1.80	12.00	
— <i>rosea</i> . 4"-6"				
A sheet of soft rose, June-July .....	.25	1.80	12.00	
<b>HELENIUM autumnale superbum.</b> 4'-5'	Sneezeweed			
Yellow, Aug.-Sept., useful mass plant .25	2.10	15.00		
<b>pumilum magnificum.</b> 2'-2½'	Dwarf Sneezeweed			
Bright yellow, Aug.-Sept..... .30	2.40	21.00		
<b>Riverton Gem.</b> 2½'-3'	Bronze Sneezeweed			
Bronze, Aug.-Sept., indispensable..... .30	2.40	18.00		
<b>HELANTHEMUM chamaecistus mutabile.</b> 9"	Fickle Sunrose			
Various, June-July, need full sun..... .30	2.40	18.00		
<i>Aureum</i> —single yellow	Mrs. Earle—double crimson			
<i>Double Orange</i>	The Bride—single white			
<b>HELIOPSIS scabra, Excelsa.</b> 2½'-3'	Rough Heliopsis			
Rich yellow sun flower, July-Oct.... .25	2.10	15.00		
<b>HEMEROCALLIS Dr. Regel.</b> 2'-2½'	Dr. Regel Daylily			
Orange, May, quite fragrant..... .25	2.10	15.00		
<i>flava.</i> 3'-4'	Lemon Lily			
Lemon, May-June, profuse, early..... .25	2.10	15.00		
<i>Sovereign.</i> 2'-2½'	Hybrid Daylily			
Deep orange, June, on graceful stems .25	2.10	15.00		
<i>thunbergi.</i> 2½'-3'	Japanese Daylily			
Pale yellow, July, clear color..... .25	1.80	12.00		
<b>HEPATICA triloba.</b> 4"-6"	Three lobe Hepatica			
Blue, April-May, leaf soil and shade. .25	2.10	15.00		
<b>HESPERIS matronalis.</b> 2'-2½'	Dames Rocket			
Pink, July-Aug. will grow anywhere. .25	1.80	12.00		
<b>HEUCHERA brizoides.</b> 15"-18"	Pinkbells			
Pink, June-Sept., gracelul clusters .... .30	2.40	18.00		
<i>sanguinea, Perry's white.</i> 15"-18"	White Coralbells			
White, June-July, for cutting..... .30	2.40	18.00		
— <i>Pluie de Feu.</i> 15"-18"	Coral Bells			
Bright red, June-July, handsome form .35	2.70	21.00		
<b>Rosa Mundi.</b> 15"-18"				
The finest pink variety, June-July..... .30	2.40	18.00		
<b>Shirley.</b> 15"-18"	Shirley Coralbells			
Fiery red, June-July, new variety..... .25	2.10	15.00		
<b>HIBISCUS moscheutos.</b> 4'-6'	Common Rosemallow			
Pink, red, white, Aug.-Sept..... .25	1.80	12.00		
<b>HOSTA caerulea (FUNKIA).</b> 1½'-2'	Blue Plantainlily			
Purplish blue, July-Aug., lily like..... .25	1.80	12.00		
<i>fortunei.</i> 18"-24"	Fortune Plantainlily			
Glaucous foliage, lilac flowers, Aug.. .35	2.70	21.00		
<b>plantaginea grandiflora.</b> 1½'-2'	Big Plantainlily			
White, July-Aug., useful for shade.... .35	2.70	21.00		
— <i>minor.</i> 9"-12"	Dwarf Plantainlily			
White, July, a miniature edition..... .35	3.00	24.00		
<i>variegata.</i> 1½'-2'	Variegated Plantain Lily			
Blue, July-Aug., attractive leaves..... .25	2.10	15.00		
<b>HYPERICUM moserianum.</b> 1'-1½'	Goldflower			
Large golden suns, July-Aug..... .40	3.00	25.00		
<b>olympicum.</b> 6"-9"	Olympic Goldflower			
Golden, June-Aug., glorious..... .30	2.40	18.00		
<i>repens.</i> 4"-6"	Creeping Goldflower			
Golden, June-July, prostrate..... .30	2.40	18.00		
<b>HYSSOPUS officinalis.</b>	Hyssop			
An aromatic herb..... .25	2.10			

		Each	Per 10	Per 100	
<b>IBERIS sempervirens.</b> 8"-10"					Candytuft
White, April-May, evergreen.....	.25	1.80	12.00		
— Little Gem. 6"-8"			Dwarf Candytuft		
White, April-May, very compact.....	.25	2.10	15.00		
— Snowflake. 1'-1½'			Snowflake Candytuft		
Pure white, April-May, improvement	.25	2.10	15.00		
<b>INULA ensifolia.</b> 6"-8"					Swordleaf Inula
Golden yellow daisies, July-Sept.....	.30	2.40	18.00		
<b>glandulosa superba.</b> 15"-18"					Caucasian Inula
Golden, June, enormous flowers.....	.25	2.10	15.00		
<b>IRIS arenaria.</b> 4"-5"					Goldbeard Iris
Golden flowers, slender leaves, June..	1.25	10.00	85.00		
<b>chrysographes.</b> 12"-15"					Goldvein Iris
Violet-golden, June, prefers moist place	.35	3.00			
<b>cristata.</b> 4"-6"					Crested Iris
Lavender-blue, May, beautiful.....	.25	2.10	15.00		
<b>dichotoma.</b> 15"-18"					Vesper Iris
Rosy lavender, August, needs full sun	.50	4.50			
<b>forresti.</b> 9"-12"					Yunnan Iris
Rich yellow, June, narrow foliage....	1.20	9.00			
<b>germanica.</b> 2'-3'					German Iris
Various colors, June.					
Afterglow—buff-gray, late .....	.25	1.80	12.00		
Alcazar—violet-purple, fragrant .....	.25	1.80	12.00		
Ambassadeur—purple-ruby, beautiful	.30	2.40	18.00		
Asia—lilac, tall and stately.....	.50	4.20	36.00		
Dream—rose-pink, dwarf .....	.25	2.10	15.00		
Harriet Presby—pink .....	.25	2.10	15.00		
Her Majesty—rose.....	.20	1.50	9.00		
Isoline—purple-lilac .....	.25	1.80	12.00		
King—gold-maroon .....	.25	2.10	15.00		
Lent A. Williamson—lavender-violet	.25	1.80	12.00		
Lohengrin—mauve .....	.20	1.50	9.00		
Loreley—yellow-white.....	.20	1.50	9.00		
Lord of June—lavender .....	.30	2.70	18.00		
Mad. Gaudichau—purple.....	.40	3.60	30.00		
Mother of Pearl—lavender.....	.25	2.10	15.00		
Nibelungen—bronze-gold.....	.20	1.50	9.00		
Opera—violet-crimson .....	.35	3.00	24.00		
Pallida dalmatica— lavender.....	.25	2.10	15.00		
Prospero—lavender-purple .....	.25	2.10	15.00		
Rhein Nixe—white-purple .....	.20	1.50	9.00		
Seminole—violet-crimson .....	.35	2.70	21.00		
Shekinah—yellow .....	.25	1.80	12.00		
<b>gracilipes.</b> 4"-5"					Slender Iris
Lilac blossoms, June, leaf soil.....	.60	4.50			
<b>kaempferi, Bride.</b> 2'-2½'					Japanese Iris
Various colors, July, sunny moist place	.30	2.40			
— President Harding—blue .....	.40	3.60	30.00		
<b>pumila coerulea.</b> 6"-9"					Sky Blue Pygmy Iris
Sky blue, May, dainty habit.....	.25	2.10	15.00		
— <b>Cyanea.</b> 8"-12"					Pygmy Iris
Violet, May, useful rock plant.....	.25	2.10	15.00		
— <b>Excelsa.</b> 8"-12"					Dwarf Yellow Iris
Yellow, May, for rock pools.....	.25	2.10	15.00		
— <b>Schneecuppe.</b> 10"-12"					Dwarf White Iris
White, May, free flowering.....	.25	2.10	15.00		
<b>sibirica.</b> 2'-3'					Siberian Iris
Purple May-June, border or streamside	.25	1.80	12.00		
— <b>Perry's Blue.</b> 2'-3'					Perry Siberian Iris
Blue, May-June, delightful color.....	.25	2.10	15.00		

## IRIS

		Each	Per 10	Per 100
<i>kaempferi</i> Snow Queen. 2'-3'	Crowds of white flowers, May-June.	.25	2.10	15.00
<i>tectorum</i> . 1½'-2'	Japanese Roof Iris			
Blue, June, withstands drought .....	.50	4.50		
<i>tenax</i> . 10"-12"	Oregon Iris			
Various, purple, lavender, cream, June	.35	3.00	24.00	
<i>tricuspis</i> . Pale lilac, small flowers, May	.75	6.00		
<i>JASIONE humilis</i> . 8"-12"	Italian Jasmine			
Blue, June-July, little round heads.....	.30	2.40	18.00	
<i>JEFFERSONIA diphylla</i> . 12"	Twinleaf			
White, May, acid soil, woodland plant	.30	2.40	18.00	
<i>KNIPHOFIA hybridus</i> , Cardinal. 3'-3½'	Red Hot Poker			
Orange-red, June-July.....	.25	2.10	15.00	
<i>uvaria pfitzeriana</i> . 3'-3½'	Bonfire Torchlily			
Orange-scarlet pokers, Aug.-Oct.....	.30	2.40	18.00	
<i>LAVENDULA vera</i> . 12"-18"	Lavender			
Lavender, July-Aug., fragrant .....	.25	2.10	15.00	
— Munsted Variety. 9"-12"	Dwarf Lavender			
Lavender, June-July, gray foliage.....	.30	2.40	18.00	
<i>LEONTOPODIUM alpinum</i> . 4"-6"	Common Edelweiss			
Silver, May-June, well drained soil....	.25	2.10	15.00	
<i>LIATRIS pycnostachya</i> . 4'-5'	Cattail Gayfeather			
Purple, July-Aug., stately spikes.....	.25	1.80	12.00	
<i>spicata</i> . 2'-3'	Spike Gayfeather			
Purple, July-Sept. a good cut flower	.25	1.80	12.00	
<i>LILIUM regale</i> . 2'-3'	Regal Lily			
White, June-July, most easily grown.	.25	2.10	15.00	
<i>tenuifolium</i> . 18"	Coral Lily			
Vermilion turks caps, July.....	.25	1.80	12.00	
<i>LIMONIUM latifolium</i> . 1½'-2'	Bigleaf Sea-Lavender			
Lilac, July-Aug., dried cut flowers....	.25	1.80	12.00	
<i>minutum</i> . 3"-4"	Dwarf Sea-Lavender			
Lavender, July, compact, miniature....	.50	4.20	36.00	
<i>LINARIA aequitriloba</i> . 1"	Lobeleaf Toadflax			
Green leaves, violet faces, June-Sept....	.30	2.40	18.00	
<i>hepaticaefolia</i> . 2"-3"	Liverleaf Toadflax			
Pale lilac, June-Aug.....	.30	2.40	18.00	
<i>alpina</i> . 2"-3"	Alpine Toadflax			
Lilac, June-Aug., fine gray leaves.....	.30	2.40		
<i>LINUM flavum</i> . 9"-12"	Golden Flax			
Golden, May-Sept. sturdy growth...	.25	1.80	12.00	
<i>narbonnense</i> . 15"-18"	Narbonne Flax			
Deep blue, May-June, wiry stems....	.25	1.80	12.00	
<i>perenne</i> . 15"-18"	Blue Perennial Flax			
Blue, June-July. Like blue butterflies.	.25	1.50	9.00	
— <i>album</i> . 15"-18"	White Flax			
White, June-July, dainty.....	.25	1.80	12.00	
<i>LITHOSPERMUM prostratum</i> , Heavenly Blue. 4"-6"	Gromwell			
Blue, May-July, slightly acid soil.....	.75	6.00	50.00	
<i>LOBELIA cardinalis</i> . 2½'-3'	Cardinal Flower			
Red, July-Aug., best at waterside.....	.25	1.80	12.00	
<i>syphilitica</i> . 2½'-3'	Blue Lobelia			
Blue native, Aug., moist situation.....	.25	2.10	15.00	
<i>LOTUS corniculatus</i> . 4"-6"	Birdsfoot Trefoil			
Bright yellow pea flowers, July-Sept.	.25	2.10	18.00	
— fl. pl. 4"	Double Birdsfoot Trefoil			
July-Sept., double form, carpeter....	.30	2.40		

		Each	Per 10	Per 100
<b>LUPINUS polyphyllus.</b> 3'-4'	Deep blue spikes, June-July.....	.35	2.70	24.00
— <i>albiflorus.</i>	White, June-July.....	.35	2.70	24.00
— <i>Moerheimi.</i> 3'-4'	Lovely soft rose, June-July.....	.35	2.70	24.00
— <i>rosea.</i> 3'-4'	Varying pink shades, June-July.....	.35	2.70	24.00
<b>LYCHNIS alpina.</b> 4"-6"	Rose-pink, April, green tufts.....	.25	2.10	15.00
<i>chalcedonica.</i> 2'-3'	Scarlet heads, June-July, old favorite..	.25	2.10	18.00
<i>haageana.</i> 1½'-2'	Orange-scarlet, June-July.....	.25	1.80	12.00
<b>LYTHRUM salicaria roseum.</b> 3'-3½'	Rose, July-Aug., ideal for massing....	.25	1.80	12.00
<b>MARRUBIUM vulgare.</b>	For the herb garden.....	.25	2.10	Hoarhound
<b>MAZUS rugosus.</b> 3"-4"	Lilac, May, June, quickly forms mat.	.25	2.10	Mazus
<b>MELISSA officinalis</b>	Lemon scented herb.....	.25	2.10	Balm
<b>MENTHA requieni.</b> 1"-2"	Lilac, May-June, aromatic foliage.....	.35	3.00	Creeping Mint
<i>rotundifolia.</i> 6"-8"	For the herb garden.....	.35	3.00	Apple Mint
<b>MERTENSIA virginica.</b> 2'-2½'	Blue and pinkish, April, prefers shade.	.25	2.10	Virginia Bluebell
<b>MITCHELLA repens.</b>	Evergreen ground cover, red berries..	.25	2.10	Partridge Berry
<b>MONARDA didyma Cambridge Scarlet.</b> 2½'-3'	Red, June-Aug., rampant grower.....	.25	1.50	Oswego Beebalm
<b>MUEHLENBECKIA nana.</b> 2"-3"	A neat carpeter, very uncommon .....	.50	4.50	Dwarf Wirevine
<b>MYOSOTIS scorpioides.</b> 8"-10"	Blue, May-Sept., for pool side .....	.25	2.10	Forget-Me-Not
<b>NEPETA cataria.</b> 1'-1½'	Dried leaves used for tea.....	.25	2.10	Catnip
<b>NIEREMBERGIA rivularis.</b> 4"-6"	Large white bells, June-Aug., a mat.	.25	2.10	Whitecup
<b>OENOTHERA missouriensis.</b> 9"-12"	Yellow, June-Aug., large leaves.....	.25	1.80	Ozark Sundrops
<i>speciosa.</i> 1'-1½'	White, June-Sept., slender stems.....	.25	2.10	White Sundrops
<i>youngi.</i> 1½'-2'	Yellow, June-Aug., bronzy foliage....	.25	1.80	Evening Sundrops
<b>ONOSMA echoioides.</b> 12"-15"	Pale yellow, May-June, rough leaves.	.40	3.60	Golden Drops
<b>ORCHIS spectabilis.</b> 6"-9"	Pink and white flowers, May-June....	.35	2.70	Showy Orchid
<b>ORIGANUM majorana.</b>	A seasoning herb.....	.25	2.10	Sweet Marjoram
<b>PACHYSANDRA terminalis.</b> 6"-9"	Ground cover.....	90.00 thousand	1.50	Japanese Spurge

	Each	Per 10	Per 100
<b>PAEONIA.</b> 2½'-3'	Peony		
Various colors, May-June			
Avalanche—large white full flowers .....	.50	4.00	30.00
Baroness Schroeder—flesh pink to white .....	.75	6.00	50.00
Edulis superba—early rose pink .....	.50	4.00	30.00
Eugene Verdier—midseason pale pink..	.60	5.00	40.00
Festiva maxima—early white flecked red. ....	.50	4.00	30.00
Karl Rosenfield—vigorous early red.....	.60	5.00	40.00
Lady Alex Duff—pale pink semi-double. ....	1.25	10.00	
Lora Dexheimer—midseason flaming red .....	.75	6.00	50.00
Martin Cahuzac—midseason blackish red .....	1.25	10.00	
Mons. Jules Elie—early silvery pink.....	.60	5.00	40.00
Sarah Bernhardt—late mauve-rose.....	1.00	9.00	75.00
Solange—late silvery blush cream .. ....	2.25	20.00	
Therese—midseason rose .. ....	1.50	12.50	
<b>PAPAVER alpinum.</b> 4"-6"	Alpine Poppy		
Various colors, May-Sept. dainty petal .....	.25	2.10	15.00
<b>nudicaule.</b> 12"-15"	Iceland Poppy		
Various colors, May-Sept.....	.25	1.80	12.00
<b>orientale.</b> 2½'-3'	Oriental Poppy		
June, best moved in July-August.....			
Beauty of Livermere—deep red.....	.30	2.40	18.00
Jeannie Mawson—shrimp-pink, June .....	.25	2.10	15.00
Mrs. Perry—salmon-pink, striking....	.25	2.10	15.00
Olympiad—scarlet-orange, double.....	.30	2.40	18.00
Perry's White—well formed flowers. ....	.30	2.40	
<b>PENTSTEMON angustifolius.</b> 8"-12" Narrowleaf Penstemon			
Lilac-pure blue, Aug., bushy.....	.35	3.00	24.00
<b>barbatus,</b> Pink Beauty. 2'-2½'	Pink Beard Tongue		
Shell pink, June-July, good for cutting. ....	.25	2.10	15.00
— Torreyi. 2½'-3'	Torrey Beard Tongue		
Coral red, June-July, loose spikes.....	.25	1.80	12.00
<b>PHLOX amoena.</b> 4"-6"			
Deep rose, May-June, low green mats. ....	.25	2.10	15.00
<b>arendsi,</b> Louise. 1½'-2'	Arends Phlox		
Lavender, June-July, fine border plant. ....	.35	3.00	
<b>divaricata.</b> 9"-12"	Blue Phlox		
Lavender-blue, May-June, best massed .....	.25	1.80	12.00
<b>ovata.</b> 12"-15"	Mountain Pink		
Pink, May-June, in small clusters....	.25	2.10	15.00
<b>subulata.</b> 4"-6"	Moss pink		
Pink, April-May, good ground cover. ....	.20	1.50	9.00
— <b>alba.</b> 4"-6"	White Moss Pink		
White, April-May, a sheet of snow. ....	.20	1.50	9.00
— <b>Apple Blossom.</b> 4"-6"	Blush Moss Pink		
Shell pink, April-May, daintily blushed .....	.25	1.80	12.00
— <b>Brittoni.</b> 3"-5"	Britton Moss Pink		
Star-like white flowers, May.....	.25	2.10	15.00
— <b>G. F. Wilson.</b> 4"-6"	Wilson Moss Pink		
Lavender blue, April-Sept.....	.25	2.10	15.00
— <b>Vivid.</b> 4"-6"	Rosy Moss Pink		
Bright rose, April-May, never weedy .....	.25	2.10	15.00

<b>PHLOX</b>		Each	Per 10	Per 100
			Garden	Phlox
<i>decussata.</i>	<i>1½'-2½'</i> July-Sept.			
Attraction—salmon, tall variety, good.	.30	2.40	18.00	
B. Comte—vinous red, large heads.....	.25	2.10	15.00	
Border Gem—violet dwarf large flower	.25	2.10	15.00	
Brilliant—scarlet, free flowering.....	.25	2.10	15.00	
Caroline Vandenberg—blue-violet .....	.25	2.10	15.00	
Deutschland—orange-scarlet, a favorite.	.25	2.10	15.00	
Enchantress—large bright salmon pink	.25	2.10	15.00	
Fiancee—white, large snowy heads....	.25	1.80	12.00	
Fireglow—red, a vigorous variety .....	.25	2.10	15.00	
General Petain—port wine, fairly new.	.25	2.10	15.00	
H. B. May—pink, very large flowers.	.25	2.10	15.00	
Hindenburg—crimson, fine old variety.	.25	2.10	15.00	
Jules Sandeau—pink, dwarf large head	.25	2.10	15.00	
Karl Foerster—large orange scarlet, tall	.25	2.10	15.00	
Leo Schlageter—brightest fire scarlet..	.25	2.10	15.00	
Mrs. Jenkins—white, a good grower.	.25	1.50	9.00	
Rheinlander—salmon, deep eye.....	.25	2.10	15.00	
Rigoletto—lavender, large flowers.....	.25	2.10	15.00	
Sommerkleid—white, red eye, large....	.25	2.10	15.00	
Wanadis—light violet, purple eye.....	.25	2.10	15.00	
<i>suffruticosa,</i> Miss Lingard—white.....	.25	2.10	15.00	
<b>PHYSALIS franchetti.</b> <i>2'-2½'</i>			<b>Chinese Lantern</b>	
Orange seed pods, Oct. for cutting....	.25	1.80	12.00	
<b>PHYSOSTEGIA virginiana.</b> <i>2½'-3'</i> Virginia False Dragonhead				
Pink spires, July-Aug., easily grown.	.25	1.80	12.00	
— Vivid. <i>1½'-2'</i>			<b>Vivid Dragonhead</b>	
Deep pink, July-Aug. compact, dwarf.	.25	2.10	15.00	
<b>PHYTEUMA orbiculare.</b> <i>1'-1½'</i>				
Globular blue heads, June, low growth.	.30	2.70	21.00	
<b>PLATYCODON grandiflorum.</b> <i>1½'-2'</i>			<b>Balloon Flower</b>	
Blue, June-July, will stand shade.....	.25	1.80	12.00	
— album. <i>1½'-2'</i>			<b>White Balloon Flower</b>	
White, June-July, large open cups.....	.25	1.80	12.00	
— Mariesi. <i>12"</i>			<b>Maries Balloon Flower</b>	
June-July, excellent dwarf variety..	.25	2.10	15.00	
<b>PLUMBAGO larpentae.</b> <i>9"-12"</i>			<b>Blue Leadwort</b>	
Blue, July-Sept., best late rock plant..	.25	1.80	12.00	
<b>POLEMONIUM caeruleum.</b> <i>1'-1½'</i>			<b>Greek Valerian</b>	
Blue, June-July, cut foliage.....	.25	2.10	15.00	
<b>humile.</b> <i>9"-12"</i>			<b>Jacob's Ladder</b>	
Blue, May-June, attractive leaves.....	.25	2.10	15.00	
<b>POTENTILLA nepalensis,</b> Willmott. <i>15"</i> Hybrid Cinquefoil				
Cerise, May-Sept., always in flower.	.30	2.40	18.00	
<b>rupestris pygmaea.</b> <i>3"-4"</i>				
Delicate white flowers, June, neat habit	.35	2.70	21.00	
<b>verna nana.</b> <i>3"-4"</i>			<b>Spring Cinquefoil</b>	
Golden, June, dwarf and compact.....	.30	2.40	18.00	
<b>PRIMULA acaulis.</b> <i>6"-8"</i>			<b>English Primrose</b>	
Yellow, April-May, shade, cool soil.	.25	2.10	15.00	
<b>auricula.</b> <i>4"-6"</i>			<b>Auricula</b>	
Various, May-June, shade well drained	.25	2.10	15.00	
<b>cachemiriana.</b> <i>9"-12"</i>			<b>Kashmir Primrose</b>	
Lilac-blue, June, moist situation.....	.30	2.40	18.00	
<b>cortusoides.</b> <i>6"-9"</i>			<b>Bigleaf Primrose</b>	
Rose, June, crinkled foliage.....	.30	2.40		
<b>denticulata alba.</b> <i>12"-15"</i>			<b>White Himalaya Primrose</b>	
Large snow-white heads, easy.....	.35	3.00		

<b>PRIMULA</b>		Each	Per 10	Per 100
<b>farinosa.</b> 4"-5"		Bird's Eye Primrose		
Rosy-lilac, June, mealy leaves.....	.35	3.00		
<b>frondosa.</b> 4"-5"		Leafy Primrose		
June, stronger growing than last.....	.35	3.00		
<b>polyanthus, Munsted.</b> 6"-9"		Polyantha Primrose		
Various, May-June, yellow and white.	.35	3.00		
— <b>Six Hills.</b> 6"-9"		Elliott Polyantha		
Deep rich shades, a splendid strain....	.35	3.00	24.00	
<b>veris duplex.</b> 6"-9"		Hose-in-Hose Primrose		
Yellow, semi-double, cool soil.....	.35	3.00	24.00	
<b>RUTA graveolens.</b> 1½'-2'		Rue		
Blue-green foliage, flavoring herb.....	.25	2.10		
<b>PYRETHRUM.</b> Double hybrids. 2'-2½'				
Dainty. Pink, cream-yellow centre..	.40	3.60	30.00	
Doris. Bright carmine, large flowers	.40	3.60	30.00	
Lord Roseberry. Carmine-scarlet....	.40	3.60	30.00	
Queen Mary. Flesh-pink.....	.40	3.60	30.00	
<b>hybridum.</b> 2'-2½'		Painted Lady		
Mixed, June-Aug., good for cutting..	.25	1.80	15.00	
<b>RUDBECKIA speciosa.</b> 2'-2½'		Showy Coneflower		
Yellow, July-Aug., perennial Susan..	.25	1.80	12.00	
<b>ROSA rouletti.</b> 6"-8"		Roulet's Rose		
Rose pink, May-Oct., 2¼ in. pots.....	1.00	9.00		
<b>SALVIA azurea grandiflora.</b> 3'-4'		Azure Salvia		
Waving wands of light blue, Aug.....	.25	1.80	12.00	
<b>pitcheri.</b> 3'-4'		Blue Meadow Sage		
Deep blue, Aug.-Sept., graceful.....	.25	2.10	15.00	
<b>virgata (nemorosa.)</b> 2'		Oriental Sage		
Deep violet spikes, July-Aug.....	.25	2.10	15.00	
<b>SANGUINARIA canadensis.</b> 6"		Blood Root		
White, April, woods soil, shade.....	.25	2.10	18.00	
<b>SANGUISORBA canadensis.</b>		Burnet		
A seasoning herb.....	.30	2.70		
<b>SANTOLINA incana.</b> 15"-18"		Lavender Cotton		
Yellow, June, silvery cut foliage.....	.25	2.10	15.00	
<b>SAPONARIA ocymoides splendens.</b> 9"-12"		Rock Soapwort		
Deep rose, May-July, quick growing.	.25	1.80	12.00	
<b>SATUREIA alpina.</b> 4"-6"		Alpine Savory		
Fragrant mat for herb garden.....	.25	2.10		
<b>montana.</b> 4"-6"		Winter Savory		
Used for seasoning.....	.30	2.40		
<b>SAXIFRAGA cordifolia.</b> 15"-18"		Heartleaf Saxifrage		
Pink, June-July, leathery leaves .....	.35	2.70		
<b>cuneifolia infundibuliformis.</b> 3"		Wedgeleaf Saxifrage		
May, spoon-shaped leaves, shade.....	.50	4.00	35.00	
<b>Delavayi,</b> Pink heads 15"-18" .....	.40	3.60		
<b>Ferdinandi Coburgi</b> 3"		Kabschia Saxifrage		
Golden yellow, April-May.....	.60	5.00	45.00	
<b>macnabiana.</b> 9"-12"		Encrusted Saxifrage		
White sprays, June, silvery foliage....	.40	3.60	30.00	
<b>sarmentosa.</b> 12"-15"		Strawberry Saxifrage		
June-July, pink and white flowers.....	.30	2.40	18.00	
<b>SCABIOSA caucasica.</b> 2'		Caucasian Scabiosa		
Lavender, all summer, wiry stems.....	.35	2.70	21.00	
— <b>House Hybrids.</b> 2'				
Beautiful colors all summer.....	.40	3.60	30.00	

	Each	Per 10	Per 100
<b>SEDUM acre.</b> 2"-3"			Goldmoss
Yellow, May-June, for dry places.....	.20	1.50	9.00
<b>album.</b> 3"-4"			White Stonecrop
White, May-June, ground cover.....	.25	1.80	12.00
<b>altissimum.</b> 4"-5"			Tall Stonecrop
Cream, July, long gray leaves.....	.25	2.10	15.00
<b>anglicum.</b> 2"-3"			English Stonecrop
White, June, light green, compact.....	.40	3.60	
<b>anopetalum.</b> 4"-5"			
Yellow, June, silver coated, handsome	.40	3.60	
<b>brevifolium.</b> 1"-2"			Shortleaf Stonecrop
White, June, silver and pink beads....	.50	4.50	
<b>dasyphyllum.</b> 2"-3"			Leafy Stonecrop
Pinkish, June, frosted moss.....	.25	2.10	15.00
<b>ewersi.</b> 4"-6"			Ewers Stonecrop
Gray succulent foliage, quaint.....	.25	2.10	15.00
<b>kamtschaticum.</b> 6"-8"			Orange Stonecrop
Yellow, June-July, vigorous, green..	.25	2.10	15.00
<b>nevi (true).</b> 2"-3"			Nevi Stonecrop
White, June, tight neat habit, rare....	.25	2.10	
— variety. 2"-3"			False Nevi Stonecrop
White, June, a more vigorous variety.	.25	1.80	12.00
<b>reflexum.</b> 8"-10"			Jenny Stonecrop
Yellow, June, vigorous ropy stems....	.25	2.10	15.00
<b>rupestre.</b> 6"-8"			Rock loving Stonecrop
Yellow, July, reddish foliage.....	.25	2.10	15.00
<b>sarmentosum.</b> 4"-6"			Stringy Stonecrop
Yellow, June-July, rapid ground cover	.20	1.50	9.00
<b>sexangulare.</b> 2"-3"			Hexagon Stonecrop
Yellow, June, low bronze moss .....	.20	1.50	9.00
<b>sieboldi.</b> 6"-9"			Siebold Stonecrop
Pink, Aug.-Sept. best flowering variety	.30	2.40	18.00
<b>spectabile, Brilliant.</b> 15"-18"			Showy Stonecrop
Heads rosy-red, July-Sept. gray leaves	.25	2.10	15.00
<b>spurium.</b> 4"-6"			False Stonecrop
Pink, July-Aug., good for banks.....	.25	1.80	12.00
<b>ternatum.</b> 3"-4"			Mountain Stonecrop
White, June. Best Sedum for shade	.25	2.10	15.00
<b>SEMPERVIVUM arachnoideum.</b> 4"-6"			Spiderweb Houseleek
Red, July—most unusual .....	.25	2.10	15.00
<b>fimbriatum.</b> 4"-6"			Fringed Houseleek
Pink, July, handsome rosettes.....	.25	2.10	15.00
<b>globiferum.</b> 6"-9"			Globe Houseleek
Yellow, July, red in winter.....	.25	2.10	15.00
<b>laggeri.</b> 4"-6"			Lagger Houseleek
Red, July, cobwebby rosettes.....	.30	2.40	18.00
<b>pittoni.</b> 6"-9"			Pitton Houseleek
Creamy, July, large gray green.....	.30	2.40	18.00
<b>rubicundum.</b> 4"-6"			Red leaf Houseleek
Red leaves, best in winter.....	.25	2.10	15.00
<b>tectorum.</b> 9"-12"			Roof Houseleek
Pink, July, common but pretty.....	.25	2.10	15.00
<b>triste.</b> 3"-4"			Trist Houseleek
Red rosettes, pointed leaves.....	.30	2.40	18.00
<b>SCUTELLARIA baicalensis coelestina.</b> 1½'-2'	Azure Scullcap		
Blue, July-Aug. Well worth growing	.25	2.10	15.00

	Each	Per 10	Per 100
<b>SILENE acaulis.</b> 1"-2"		Moss	Campion
Pink, May, tightest green moss.....	.30	2.40	18.00
<b>alpestris.</b> 3"-4"		Alpine	Catchfly
White, June, low green mats.....	.25	2.10	15.00
<b>schafta.</b> 3"-4"		Schafra	Catchfly
Pink, June-Aug. useful late flowers.	.25	1.80	15.00
<b>STACHYS lanata.</b> 15"-18"		Woolly	Betony
Purple, July, like silver lambs ears....	.25	1.80	12.00
<b>STATICE armeria.</b> 6"-9"		Thrift	
Pink, May-June, good when massed.	.25	1.80	12.00
— <i>alba.</i> 4"-6"		White	Thrift
White, May-June, grassy foliage.....	.25	1.80	12.00
— <i>laucheana.</i> 4"-8"		Thrift	
Red, May-June, very bright, compact.	.25	1.80	15.00
— <i>splendens.</i> 6"-9"		Peachblow	
Lavender, May-June, good soft color.	.25	1.80	15.00
— <b>Six Hills Hybrid.</b> 3"-4"		Dwarf	Thrift
Rose, May-July, spring leaves, new.	.75	6.00	50.00
<b>pseudo-armeria rubra.</b> 15"-18"		False	Thrift
Red, June-July, long strap-like leaves.	.30	2.40	18.00
<b>STOKESIA laevis.</b> 1½'-2'		Stokesia	
Blue, July-Aug. A splendid cut flower	.25	1.80	12.00
<b>TEUCRIUM chamaedrys.</b> 12"-15" <i>Chamaedrys</i> Germander			
Pink, July-Aug., box like growth....	.35	3.00	25.00
<b>THALICTRUM adiantifolium.</b> 2"-2½' Maidenhair Meadowrue			
Yellow, June, beautiful foliage.....	.25	2.10	15.00
<b>aquilegifolium.</b> 1½'-2'		Columbine	Meadowrue
Rosy purple mist, June-July. Dainty	.25	2.10	15.00
<b>dipterocarpum.</b> 3'-4'		Yunnan	Meadowrue
Mauve, Aug.-Sept., very handsome..	.30	2.40	18.00
<b>THYMUS azoricus.</b> 3"-4"		Azore	Thyme
Bright compact green hummocks.....	.25	2.10	15.00
<b>citriodorus.</b> 6"-9"		Lemon	scented Thyme
Aromatic, used for seasoning.....	.25	2.10	15.00
— <i>argenteus.</i>		Lemon	Thyme
Silver variegated, cut back in summer.	.30	2.40	18.00
— <i>aureus</i> 9"-12" Golden, variegated	.25	2.10	15.00
<b>herba barona.</b> 1"-2"		Herb	scented Thyme
Rose, June-July, pungent smell.....	.40	3.60	
<b>odoratus.</b> 4"-6" Pink, loose growing.	.25	2.10	15.00
<b>serpyllum albus.</b> 2"-3"		White	Thyme
White, June-July. A carpet of snow.	.25	2.10	15.00
— <i>coccineus.</i> 2"-3"		Scarlet	Thyme
Deep pink, June-July, for paved walks.	.25	2.10	15.00
— <b>Golden variegated Form</b> Bright.	.30	2.40	18.00
— <i>lanuginosus.</i> 3"-4"		Woolly	Thyme
Silvery foliage, a lovely woolly mat.	.25	2.10	15.00
<b>TROLLIUS ledebori,</b> Golden Queen. 1½'-2'		Globe	Flower
Brightest gold, May-Sept., moist soil..	.50	4.50	40.00
<b>TUNICA saxifraga.</b> 6"-9"		Tunic	Flower
Light pink, July-Sept., grassy foliage.	.25	1.80	12.00
— <b>Flore-pleno.</b> 6"-8"		Double	Tunic Flower
Double flesh pink buttons, rare .....	.40	3.60	30.00

		Each	Per 10	Per 100
<b>VERBENA canadensis.</b>	<i>6"-9"</i>		<i>Canada</i>	<i>Verbena</i>
Pink purple May–Sept. massed flowers		.30	2.40	18.00
<b>pulchella maonetti.</b>	<i>4"-6"</i>			
Pink striped white, all summer, tender		.35	2.70	21.00
<b>VERONICA armeria.</b>	<i>3"-4"</i>			
Rich blue, May–June, feathery.....		.35	2.70	21.00
<b>filiformis.</b>	<i>2"-3"</i>			<i>Bird's Eye</i>
Blue, April–May, evergreen carpet..		.25	2.10	15.00
<b>gentianoides.</b>	<i>6"-9"</i>		<i>Gentian</i>	<i>Speedwell</i>
Blue, May–June, neat and dainty.....		.25	2.10	15.00
<b>incana.</b>	<i>9"-12"</i>			<i>Woolly Speedwell</i>
Deep blue, June–July, silvery foliage.		.25	1.80	12.00
<b>longifolia subsessilis.</b>	<i>1½'-2'</i>			<i>Clump Speedwell</i>
Violet-blue, Aug., good cut flower....		.35	2.70	21.00
— <b>Blue Jay.</b>	<i>1½'-2'</i>			<i>Blue Jay Speedwell</i>
Light blue, July–Aug., slender spikes		.30	2.40	18.00
<b>pectinata.</b>	<i>3"-4"</i>			<i>Comb Speedwell</i>
Blue, June, gray crinkled leaves.....		.30	2.40	18.00
— <b>rosea.</b>	<i>3"-4"</i>			<i>Rosy Comb Speedwell</i>
Rose, June, trail over rocks.....		.30	2.40	18.00
<b>pedunculata.</b>	<i>4"-6"</i>			
White, May–June, fairly strong grower		.35	2.70	
<b>repens.</b>	<i>2"-3"</i>			<i>Creeping Speedwell</i>
Pale blue, May, hugs the ground.....		.25	1.80	15.00
<b>spicata.</b>	<i>8"-12"</i>			<i>Spike Speedwell</i>
Deep blue, June, neat little plant.....		.25	2.10	15.00
<b>teucrium rupestre.</b>	<i>4"-5"</i>			<i>Hungarian Speedwell</i>
Rich blue, June. A fine rock plant.		.25	1.80	15.00
— — <b>nana.</b>	<i>1"-2"</i>			<i>Dwarf Rock Speedwell</i>
Deep blue, June, very low and neat.		.30	2.40	18.00
— <b>Royal Blue.</b>	<i>1'-1½'</i>			<i>Royal Blue Speedwell</i>
Royal blue, June–July, a good name.		.30	2.40	18.00
<b>trehani.</b>	<i>6"-9"</i>			<i>Trehan Speedwell</i>
Blue flowers, June, golden leaves .....		.30	2.40	18.00
<b>VINCA minor.</b>	<i>4"-6"</i>			<i>Periwinkle</i>
Lilac-blue, April–May, ground cover.				
3" pots	90.00 thousand	.20	1.50	12.00
— <b>Bowles var.</b>	<i>4"-6"</i>			<i>Bowles Periwinkle</i>
Larger flowers produced freely.				
3" pots.....		.30	2.40	21.00
<b>VIOLA cornuta, Apricot Queen.</b>	<i>6"-8"</i>			<i>Apricot Viola</i>
Bronzy buff, May–Aug. well known.		.30	2.40	18.00
— <b>Jersey Gem.</b>	<i>6"-8"</i>			<i>Jersey Gem Viola</i>
Violet, May–Sept., still the best.....		.25	1.80	12.00
<b>pedata bicolor.</b>	<i>3"-5"</i>			<i>Bird's foot Violet</i>
Purple and lavender, April.....		.30	2.40	18.00
<b>rosina.</b>	<i>4"-6"</i>			Pink, April–May fragrant
Pink, April–May fragrant		.30	2.40	18.00

## Plants for Special Locations

### PLANTS SUITABLE FOR THE ROCK GARDEN

#### **Evergreens**

*Arctostaphylos uva-ursi*, 5"-6"  
*Berberis verruculosa*, 3'-4'  
*Calluna vulgaris*, 1'-2'  
*Chamaecyp. ob. grac. com.* 4'-5'  
*Chamaecyparis obtusa nana*, 2'  
*Chamaecyp. plumosa nana*, 2'  
*Chamaecyp. squarrosa nana*, 1½'  
*Cotoneaster microphylla*, 2'-2½'  
*Cotoneaster thymifolia*, 1½'-2'  
*Daphne cneorum*, 1'  
*Epigaea repens*, 6"  
*Euonymus radicans min.*, 2'-3'  
*Gaultheria procumbens*, 4"-6"  
*Juniperus chinensis sargentii*, 1½'  
*Juniperus communis mont.*, 1½'  
*Juniperus com. suecica nana*, 3'  
*Juniperus conferta*, 9"-12"  
*Juniperus horizontalis*, 1'-1½'  
*Juniperus horiz. douglasii*, 1'-1½'  
*Juniperus horizontalis plum.* 2'  
*Juniperus horiz. Bar Harbor* 1'  
*Juniperus sabina tamarisci*, 1½'  
*Juniperus squamata*, 1'  
*Juniperus squamata meyeri*, 3'-4'  
*Juniperus squamata variegata*, 1'  
*Leiophyllum buxifolium*, 1½'  
*Mitchella repens*, 4"  
*Pachistima canbyi* 3"-4"  
*Picea exc. clanbrasiliana*, 4'-5'  
*Picea excelsa maxwellii*, 1'-2'  
*Picea exc. procumbens*, 1½'-2'  
*Picea excelsa repens*, 1'  
*Picea glauca conica*, 3'  
*Pinus densifl. umbraculif.*, 3'-4'  
*Pinus montana mughus*, 2½'-3'  
*Potentilla tridentata*, 8"  
*Taxus baccata compacta*, 3'-4'  
*Taxus bac. repandens*, 1½'-2'  
*Taxus canadensis*, 2'-2½'  
*Taxus cuspidata nana*, 2'-3'  
*Thuja occidentalis Little Gem*, 2'  
*Thuja occ. pumila*, 2'-2½'  
*Thuja occ. umbraculifera*, 2'-3'  
*Thuja orien. aurea nana*, 2½'-3'  
*Thuja orientalis compacta*, 3'-4'  
*Vaccinium vitis-idaea*, 6"

#### **Deciduous Shrubs**

*Caryopteris incana*, 2'-3'  
*Cotoneaster adpressa*, 1'  
*Cotoneaster horizontalis*, 1½'-2'  
*Cotoneaster perpusilla*, 1½'  
*Deutzia gracilis*, 3'  
*Genista pilosa*, 3'  
*Hypericum buckleyi*, 1'  
*Hypericum moserianum*, 2'  
*Hypericum patulum forrestii*, 2'  
*Jasminum nudiflorum*, 3'  
*Lonicera spinosa alberti*, 2'  
*Lonicera thibetica*, 3'-4'  
*Potentilla fruticosa*, 3'-4'  
*Rosa Rouletti*, 6"  
*Viburnum op. nana*, 1½'-2'

#### **Herbaceous Perennials**

*Acaena microphylla*, 2"  
*Achillea lewisi*, 6"  
*Achillea tomentosa*, 9"  
*Aethionema coridifolium*, 6"  
*Aethionema grandiflorum*, 1½'  
*Aethionema persicum*, 6"  
*Ajuga genevensis*, 1'  
*Ajuga brockbanki*, 8"  
*Ajuga reptans*, 6"  
*Allium pedemontanum*, 9"  
*Allium sp., Thibet*, 9"  
*Alyssum montanum*, 3"  
*Alyssum rostratum*, 6"  
*Alyssum saxatile compactum*, 1'  
*Alyssum spinosum*, 6"  
*Androsace lactiflora*, 4"  
*Androsace lanuginosa*, 6"  
*Androsace sarment. chumbyi* 3,  
*Anemone huphensis*, 1½'  
*Anemone pulsatilla*, 1'  
*Anemone pulsatilla alba*, 1'  
*Anemone pulsatilla rubra*, 1'  
*Anemone sylvestris*, 9"  
*Anemone vernalis*, 3"  
*Antennaria dioica*, 6"  
*Anthemis styriaca*, 4"  
*Aquilegia alpina* 1'  
*Aquilegia ecalcarata*, 1'  
*Aquilegia flabellata nana alba*, 9"  
*Aquilegia glandulosa*, 15"  
*Aquilegia pyrenaica*, 6"  
*Arabis albida*, 6"  
*Arabis albida flore-plena* 7"  
*Arabis albida nana compacta*, 4"  
*Arabis alpina*, 6"-9"  
*Arabis alpina rosea*, 6"-9"  
*Arabis kelleri*, 3"  
*Arabis proccurrens* 6"-9"  
*Arenaria montana*, 4"  
*Arenaria purpurascens*, 2"  
*Arenaria caespitosa*, 1"  
*Artemisia frigida*, 4"  
*Aster alpinus*, 8"  
*Aster alpinus albus*, 8"  
*Aster subcaeruleus*, 1'  
*Aster yunnanensis*, 9"  
*Aubrietia in variety*, 6"  
*Bellis rotundifolia caerulescens*, 4"  
*Bellis sylvestris*, 6"  
*Calamintha alpina*, 6"  
*Campanula barbata*, 8"  
*Campanula carpatica*, 6"  
*Campanula carpatica alba*, 6"  
*Campanula gorganica*, 3"  
*Campanula portenschlagiana*, 3"  
*Campanula pusilla*, 3"  
*Campanula rotundifolia*, 1'  
*Carlina acaulis*, 6"  
*Cerastium tomentosum*, 6"  
*Chimaphila maculata*, 9"-12"

## PLANTS SUITABLE FOR THE ROCK GARDEN, Continued

Dianthus alpinus, 3"  
 Dianthus arenarius, 6"  
 Dianthus caesius, 6"  
 Dianthus deltoides, 8"  
 Dianthus glacialis, 4"  
 Dianthus neglectus, 4"  
 Dianthus superbus nanus 6"  
 Dicentra cucullaria, 4"-6"  
 Dicentra formosa, 1'  
 Draba bruniifolia, 2"  
 Draba fladnizensis, 4"  
 Dracocephalum ruyschiana, 1'  
 Dryas octopetala 3"  
 Erigeron aurantiacus, 6"  
 Erinus alpinus, 4"  
 Erodium chamaedrioides, 2"  
 Erysimum linifolium, 6"  
 Erysimum pulchellum, 3"  
 Euonymus radicans minimus, 1"  
 Festuca glauca, 1'  
 Gentiana septemfida, 9"  
 Gentiana lagodechiana 8"  
 Geranium sanguineum, 9"  
 Geranium sanguineum album, 9"  
 Geranium sang. lancastriense, 4"  
 Geum borisi, 1'  
 Globularia trichosanthes, 6"  
 Gypsophila cerastioides, 3"  
 Gypsophila repens, 4"  
 Helianthemum in variety 8"  
 Hepatica acutiloba, 4"  
 Hepatica triloba, 4"-6"  
 Heuchera in variety, 1½'  
 Hosta plantaginea minor 10"  
 Houstonia caerulea, 3"-4"  
 Hypericum coris, 9"  
 Hypericum olympicum, 6"-9"  
 Hypericum repens, 6"  
 Hypericum reptans, 2"  
 Iberis gibraltarica, 8"  
 Iberis sempervirens, 10"  
 Iberis sempervirens, Little Gem, 6"  
 Iberis sempervirens, Snowflake, 9"  
 Inula ensifolia, 9"  
 Iris cristata, 4"  
 Iris forrestii, 1½'  
 Iris gracillipes 5"  
 Iris pumila in variety, 4"-9"  
 Jasione humilis, 9"  
 Jeffersonia diphylla, 12"  
 Lavandula vera, Munstead, 1'  
 Leontopodium alpinum, 6"  
 Linaria aequitriloba 1"  
 Linum flavum, 9"  
 Linum narbonnense, 1½'  
 Linum perenne, 1'  
 Linum perenne album  
 Lithospermum prostratum, 6"  
 Lotus corniculatus 4"  
 Lychnis alpina, 4"  
 Mazus rugosus, 4"  
 Mentha requienii, ½"

Mitchella repens, 2"-3"  
 Myosotis scorpioides, 10"  
 Nepeta mussini, 10"  
 Nierembergia rivularis, 2"  
 Oenothera missouriensis, 10"  
 Oenothera speciosa, 1½'  
 Papaver alpinum, 4"  
 Pentstemon hirsutus pygmaeus 9"  
 Phlox amoena, 4"  
 Phlox divaricata, 1'  
 Phlox ovata, 8"-12"  
 Phlox subulata in variety, 4"-6"  
 Phyteuma orbiculare, 1'  
 Plumbago larpentae, 9"  
 Polemonium humile, 1'  
 Potentilla nepalensis, Willmott, 1'  
 Potentilla tridentata, 8"-12"  
 Primula acaulis, 3"  
 Primula auricula, 6"  
 Primula catheriniana, 9"  
 Primula farinosa 4"  
 Primula frondosa 4"  
 Santolina incana, 1'  
 Saponaria ocymoides splendens 1'  
 Saxifraga aizoon 2"-6"  
 Saxifraga cochlearis minor 3"  
 Saxifraga Ferd. Coburgi 3"  
 Saxifraga macnabiana, 9"  
 Saxifraga pectinata 6"  
 Sax. trifurcata ceratophylla, 6"  
 Sedum in variety, 1"-9"  
 Sempervivum in variety, 4"-9"  
 Silene acaulis, 2"  
 Silene alpestris, 5"  
 Silene maritima fl.-pl., 6"  
 Silene shafta, 6"  
 Statice armeria in variety, 6"-15"  
 Statice armeria, 6 Hills Hybrid, 6"  
 Teucrium chamaedrys, 1½'  
 Thymus citriodorus argenteus, 4"  
 Thymus citriodorus aureus, 4"  
 Thymus serpyllum in variety, 2"  
 Tunica saxifraga, 6"  
 Verbena canadensis, 6"  
 Veronica armeria, 4"  
 Veronica filiformis, 2"  
 Veronica gentianoides, 8"  
 Veronica incana, 1'  
 Veronica pectinata, 3"  
 Veronica pectinata rosea, 3"  
 Veronica pedunculata, 4"-6"  
 Veronica repens, 2"  
 Veronica teucrium rupestris, 4"  
 Veronica teucrium rup. nana, 1'"  
 Veronica teucrium rup. rosea, 4'  
 Veronica trehani, 4"  
 Viola blanda, 2"  
 Viola bosniaca, 4"  
 Viola cornuta, Jersey Gem, 6"  
 Viola cornuta, Purple Queen, 6"  
 Viola gracilis, 5"  
 Viola pedata, 4"

### PLANTS FOR SHADED SITUATIONS

#### Deciduous Trees and Shrubs

*Acanthopanax pentaphylla*, 7'-8'  
*Amelanchier canadensis*, 12'-15'  
*Amelanchier stolonifera*, 4'-5'  
*Aronia arbutifolia*, 6'-8'  
*Aronia melanocarpa*, 8'-10'  
*Azalea arborescens*, 10'-12'  
*Azalea nudiflora*, 6'-8'  
*Azalea vaseyi*, 5'-6'  
*Azalea viscosa*, 4'-5'  
*Benzoin aestivalis*, 10'-12'  
*Calycanthus floridus*, 4'-5'  
*Cephalanthus occidentalis*, 5'-6'  
*Cercis canadensis*, 12'-15'  
*Chionanthus virginica*, 15'-18'  
*Clethra alnifolia*, 4'-5'  
*Cornus alternifolia*, 15'-18'  
*Cornus amomum*, 8'-9'  
*Cornus florida*, 15' 25'  
*Cornus florida rubra*, 15'-20'  
*Cornus mas*, 15'-20'  
*Halesia tetraptera*, 12'-15'  
*Hamamelis mollis*, 15'-20'  
*Hamamelis vernalis*, 8'-10'  
*Hamamelis virginiana*, 15'-20'  
*Hydrangea arbore. grand.*, 4'-5'  
*Hydrangea quercifolia*, 3'-4'  
*Hypericum aureum*, 3'-4'  
*Ligustrum ibota regelian.*, 5'-6'  
*Lonicera fragrantissima*, 6'-8'  
*Lonicera morrowi*, 7'-8'  
*Lonicera tatarica*, 9'-10'  
*Oxydendrum arboreum*, 25'-30'  
*Philadelphus*, 9'-10'  
*Rhodotypos kerrioides*, 4'-5'  
*Symphoricarpos chenaulti*, 4'-5'  
*Symphoricarpos racemosa*, 5'-6'  
*Symphoricarpos vulgare*, 4'-5'  
*Viburnum acerifolium*, 4'-5'  
*Viburnum dentatum*, 10'-12'  
*Viburnum lentago*, 18'-20'  
*Viburnum molle*, 10'-12'  
*Zanthoriza apiifolia*, 2'-3'

#### Evergreens

*Azalea amoena*, 2½'-3'  
*Azalea hinodegiri*, 3'-4'  
*Buxus sempervirens suf.*, 12'-15'  
*Epigaea repens*, 4"-6"  
*Euonymus radicans color.* 6"-9"  
*Gaultheria procumbens*, 4"-6"  
*Ilex crenata microphylla*, 6'-8'  
*Ilex glabra*, 5'-6'

### PLANTS FOR BINDING AND COVERING SOIL ON STEEP BANKS

#### Shrubs

*Acanthopanax pentaphyl.*, 7'-8'  
*Berberis thunbergi*, 4'-5'  
*Forsythia suspensa*, 5'-6'  
*Lonicera spinosa alberti*, 3'-4'  
*Lonicera tatarica*, 9'-10'  
*Myrica carolinensis*, 4'-5'  
*Rhus canadensis*, 4'-5'  
*Rosa nitida*, 12"-18"  
*Rosa rugosa*, 4'-5'

*Ilex opaca*, 25'-30'

*Juniperus communis*, 2½'-3'

*Kalmia latifolia*, 5'-7'

*Leucothoe catesbaei*, 3'-4'

*Mahonia aquifolium*, 4'-5'

*Mitchella repens*, 3"-4"

*Pachysandra terminalis*, 6"-8"

*Pieris floribunda*, 3'-4'

*Pieris japonica*, 4'-5'

*Rhododendron catawb.*, 6'-9'

*Rhododendron hybrids*, 3'-8'

*Rhododendron maxim.*, 8'-12'

*Taxus canadensis*, 2'-2½'

*Taxus cuspidata*, 4'-5'

*Tsuga canadensis*, 75'-90'

#### Herbaceous Perennials

*Aconitum* (all)

*Ajuga genevensis*

*Ajuga reptans*

*Anemone japonica*

*Aquilegia*

*Chimaphila maculata*

*Cimicifuga*

*Convallaria majalis*

*Dicentra cucullaria*

*Dicentra formosa*

*Dicentra spectabilis*

*Digitalis*

*Eupatorium fraseri*

*Hepatica*

*Heuchera* (all)

*Hosta* (all)

*Iberis sempervirens*

*Lithospermum prostratum*

*Lobelia cardinalis*

*Lobelia syphilitica*

*Lychnis chalcedonica*

*Lythrum*

*Menthella requieni*

*Myosotis scorpiodes*

*Physalis*

*Platycodon grandiflorum*

*Polemonium*

*Primula* (all listed)

*Saxifraga trifurcata ceratophylla*

*Sedum kamtschaticum*

*Sedum oreganum*

*Sedum sarmentosum*

*Sedum spurium*

*Sedum ternatum*

*Thalictrum*

*Vinca minor*

*Viola*

*Rosa setigera*, 5'-6'  
*Symphoricarpos racemos.*, 5'-6'  
*Symphoricarpos vulgare*, 4'-5'  
*Zanthoriza apiifolia*, 2'-3'

#### Vines

*Celastrus scandens*, 20'-25'

*Lonicera halleana*, 15'-20'

*Rosa lucida*, 5'-6'

*Rosa wichuriana*, 15'-20'

## PLANTS FOR DRY SOIL

## Trees

## DECIDUOUS

*Betula populifolia*, 30'-40'  
*Phellodendron amurense*, 40'-50'  
*Quercus alba*, 100'

## EVERGREEN

*Juniperus virginiana*, 30'-50'  
*Pinus resinosa*, 80'-100'  
*Pinus strobus*, 80'-100'  
*Pinus sylvestris*, 70'-80'

## Shrubs

## DECIDUOUS

*Acanthopanax pentaphyl.*, 7'-8'  
*Colutea arborescens*, 8'-10'  
*Cornus paniculata*, 10'-12'  
*Genista tinctoria* 3'-4'  
*Hypericum prolificum*, 2½'-3'  
*Lespedeza formosum*, 5'-6'  
*Myrica carolinensis*, 4'-5'  
*Prunus maritima*, 9'-10'  
*Rhamnus cathartica*, 9'-10'  
*Rhus canadensis*, 4'-5'  
*Rosa setigera*, 10'-12'  
*Symporicarpos racemos.*, 5'-6'  
*Vaccinium corymbosum*, 5'-6'  
*Viburnum acerifolium*, 4'-5'  
*Viburnum lantana*, 15'-18'

## EVERGREEN

*Arctostaphylos uva-ursi*, 6"  
*Juniperus sargentii*, 2'-2½'  
*Juniperus communis*, 2'-2½'  
*Juniperus comm. depressa*, 1½'  
*Juniperus comm. montana*, 1½'  
*Juniperus horizontalis*, 1'-1½'  
*Juniperus sabina*, 6'-7'

## PLANTS FOR WET OR MARSHY PLACES

## Deciduous Trees

*Acer rubrum*, 50'-75'  
*Betula nigra*, 50'-60'  
*Larix leptolepis*, 50'-60'  
*Liquidamber styraciflua*, 50'-60'  
*Quercus palustris*, 75'-90'  
*Quercus phellos*, 75'-90'  
*Salix babylonica*, 50'-60'  
*Taxodium distichum*, 100'  
*Ulmus americana*, 80'-100'

## Shrubs

*Aronia arbutifolius*, 6'-8'  
*Aronia melanocarpa*, 8'-10'  
*Azalea viscosa*, 4'-5'  
*Benzoin aestivalis*, 10'-12'  
*Calycanthus floridus*, 4'-5'  
*Cephalanthus occidentalis*, 4'-5'  
*Clethra alnifolia*, 4'-5'  
*Cornus amomum*, 8'-9'  
*Cornus stolonifera*, 7'-8'  
*Ilex glabra*, 5'-6'  
*Ilex verticillata*, 6'-8'  
*Rhododendron canadense*, 4'  
*Sorbaria sorbifolia*, 5'-6'  
*Viburnum cassinoides*, 5'-6'  
*Viburnum dentatum*, 10'-12'  
*Viburnum lentago*, 18'-20'

*Mahonia aquifolium*, 4'-5'

*Pachysandra terminalis*, 8"

*Pinus montana mughus*, 2½'-3'

## Herbaceous Perennials

## SUNNY PLACES

*Achillea ptarmica*, The Pearl  
*Achillea tomentosa*  
*Anthemis tinctoria*  
*Armeria* in variety  
*Asclepias tuberosa*  
*Baptisia australis*  
*Cerastium tomentosum*  
*Dianthus barbatus*  
*Euphorbia corollata*  
*Gypsophila paniculata*  
*Helianthemum*  
*Helianthus*  
*Lavendula vera*  
*Linum perenne*  
*Lupinus polyphyllus*  
*Oenothera youngi*  
*Pentstemon barbatus*  
*Phlox subulata*  
*Sedum*  
*Sempervivum*

## SHADY PLACES

*Ajuga genevensis*  
*Aquilegia canadensis*  
*Aquilegia chrysanthia*  
*Aster alpinus*  
*Heuchera sanguinea*  
*Iberis sempervirens*  
*Liatris pycnostachya*  
*Platycodon grandiflorum*  
*Sedum Spectabile*

## HERBACEOUS PERENNIALS

## Herbaceous Perennials

*Aruncus sylvester*  
*Asclepias tuberosa*  
*Aster novae-angliae*  
*Boltonia latisquama*  
*Caltha palustris*  
*Cimicifuga racemosa*  
*Helenium autumnale*  
*Hemerocallis*  
*Hibiscus moscheutos*  
*Iris chrysographes*  
*Iris forrestii*  
*Iris kaempferi*  
*Iris sibirica*  
*Liatris spicata*  
*Lobelia cardinalis*  
*Lobelia siphilitica*  
*Lythrum salicaria roseum*  
*Myosotis scorpioides* (palustris)  
*Physostegia virginica*  
*Primula catheriniana*  
*Primula japonica*  
*Primula japonica*, Red Hugh  
*Primula pulverulenta*  
*Trollius europaeus*  
*Trollius, Orange Globe*

## PLANTS FOR WALL-GARDENING

Achillea lewisi	Erysimum pulchellum
Achillea tomentosa	Geranium sanguineum & varieties
Aethionema (all)	Gypsophila repens
Alyssum (all listed)	Helianthemum in variety
Androsace chumbyi	Hypericum coris
Androsace lanuginosa	Hypericum repens
Antennaria dioica	Hypericum reptans
Arabis in variety	Leontopodium alpinum
Arenaria montana	Lithospermum prostratum, Heavenly Blue
Aubrieta in variety	OENothera missouriensis
Calamintha alpina	OENothera speciosa
Campanula garganica	Phlox subulata and varieties
Campanula portenschlagiana	Plumbago larpentae
Campanula pusilla	Primula auricula (shady)
Cerastium tomentosum	Saponaria ocymoides
Chieranthus allioni	Sedum (all except spectabile)
Dianthus allwoodi	Sempervivum (all)
Dianthus arenarius	Silene alpestris
Dianthus arvernensis	Silene maritima fl.-pl.
Dianthus caesius	Silene schafta
Dianthus deltoides	Statice armeria
Dianthus neglectus	Teucrium chamaedrys
Dianthus plumarius, & garden var.	Thymus (all)
Dracocephalum	Tunica saxifraga
Erinus alpinus	Veronica pectinata
Erysimum linifolium	Veronica teucrium rupestris & var

PLANTS FOR SPACES BETWEEN FLAGSTONE  
AND ROCK WALKS

Achillea lewisi
Achillea tomentosa
Antennaria dioica
Arenaria caespitosa
Campanula pusilla
Erinus alpinus
Erysimum pulchellum
Euonymus radicans minimus
Linaria pallida
Menthella requieni
Nierembergia rivularis
Phlox subulata varieties (for large steps)
Sedum acre
Sedum anglicum
Sedum brevifolium

Sedum dasypylillum
Sedum hispanicum
Sedum lydium
Sedum middendorffianum
Sedum nevi
Sedum oreganum
Sedum pruinatum
Sedum sexangulare
Sedum spath. purpureum
Sedum ternatum
Sempervivums (all)
Silene alpestris
Statice armeria
Thymus (all)
Tunica saxifraga
Veronica repens

## GROUND COVERS

## For Shady Places

Ajuga reptans
Asarum shuttleworthii
Chimaphylla maculata
Convallaria majalis
Epigaea repens
Euonymus radicans coloratus
Euonymus radicans minimus
Gaultheria procumbens
Hedera helix and varieties
Mitchella repens
Pachistima canbyi
Pachysandra terminalis
Shortia galacifolia
Taxus canadensis
Vaccinium vitis-idaea
Veronica filiformis
Veronica repens
Vinca minor

## For Sunny Places

Arctostaphylos uva-ursi
Arenaria caespitosa
Calluna vulgaris and varieties
Helianthemum in variety
Juniperus chinensis sargentii
Juniperus communis depressa
Juniperus communis montana
Juniperus horizon. Bar Harbor
Juniperus horizontalis plumosa
Juniperus sabina tamariscifolia
Juniperus squamata
Leiophyllum buxifolium
Pachysandra terminalis
Phlox subulata
Sedum in variety
Thymus serpyllum
Veronica teucrium rupestris
Zanthorrhiza apiifolia

## BERRY-BEARING TREES AND SHRUBS

### Red Berries

*Aronia arbutifolia*, 8'-10'  
*Benzoin aestivale*, 10'-12'  
*Berberis aggregata pratti*, 8'-10'  
*Berberis thunbergi*, 4'-5'  
*Berberis vernae*, 5'-6'  
*Cornus florida*, 15'-25'  
*Cornus kousa*, 15'-20'  
*Cornus mas*, 15'-20'  
*Cotoneaster apiculata*, 6'-7'  
*Cotoneaster dammeri* 1'-1½'  
*Cotoneaster dielsiana*, 6'-8'  
*Cotoneaster divaricata*, 6'-7'  
*Cotoneaster franchetti*, 7'-8'  
*Cotoneaster horizontalis*, 1'-1½'  
*Cotoneaster horizon. perpusilla*  
*Cotoneaster hupehensis*, 5'-6'  
*Cotoneaster lemoinei*, 5'-6'  
*Cotoneaster racem. soong.*, 5'-6'  
*Cotoneaster rotundifolia*. 7'-8'  
*Cot. salici floccosa*, 15'-16'  
*Cotoneaster Simonsi*, 5'-6'  
*Crataegus coccinea*, 15'-20'  
*Crataegus cordata*, 12'-15'  
*Crataegus crus-galli*, 15'  
*Elaeagnus longipes*, 6'-8'  
*Elaeagnus pungens* 10'-12'  
*Elaeagnus umbellata*, 8'-10'  
*Euonymus alatus*, 9'-10'  
*Euonymus europaeus*, 12'-14'  
*Euonymus radicans vegetus*  
*Ilex cornuta* 8'-10'  
*Ilex opaca*, 25'-30'  
*Ilex verticillata*, 6'-8'  
*Lonicera korolk. florib.*, 8'-10'  
*Lonicera maackii*, 8'-9'  
*Lonicera minutiflora*, 7'-9'  
*Lonicera morrowi*, 7'-8'  
*Lonicera syringantha wolffi*, 4'  
*Lonicera tatarica*, 9'-10'  
*Malus floribunda*, 12'-15'  
*Malus sargentii*, 8'-9'  
*Nyssa sylvatica*, 60'-70'  
*Photinia villosa*, 12'-15'  
*Pyracantha cocc. lalandi*, 8'-10'  
*Rhus canadensis*, 3'-5'  
*Rosa blanda*, 4'-5'  
*Rosa rubiginosa*, 5'-6'  
*Rosa rugosa*, 4'-5'

### Sorbus aucuparia

, 25'-30'  
*Symphoricarpos chenaultii*, 4'-5'  
*Symphoricarpos vulgaris*, 4'-5'  
*Viburnum americanum*, 8'-9'  
*Viburnum dilatatum*, 8'-9'  
*Viburnum opulus*, 9'-10'  
*Viburnum wrightii*, 8'-10'

### White Berries

*Cornus alba sibirica*, 8'-10'  
*Cornus paniculata*, 10'-12'  
*Cornus stolonifera*, 7'-8'  
*Myrica carolin. (gray)*, 2'-10'  
*Pachysandra terminalis*, 8"-10"  
*Symphoricarpos racem.*, 5'-6'

### Yellow Berries

*Elaeagnus angustifolia*, 15'-18'  
*Ilex opaca xanthocarpa*, 25'-30'

### Black Berries

*Amelanchier canadensis*, 25'  
*Aronia melanocarpa*, 8'-10'  
*Berberis atropurpurea*, 5'-6'  
*Berberis verruculosa*, 2'-8'  
*Cotoneaster acutifolia*, 8'-10'  
*Ilex crenata bullata*, 4'-5'  
*Ilex crenata microphylla*, 6'-8'  
*Ilex glabra*, 5'-6'  
*Ligustrum regelianum*, 4'-5'  
*Rhamnus cathartica*, 9'-10'  
*Rhamnus frangula*, 10'-12'  
*Rhodotyphus kerrioides*, 4'-5'  
*Viburnum acerifolium*, 4'-5'  
*Viburnum lantana*, 15'-18'  
*Viburnum prunifolium*, 12'-15'  
*Viburnum sieboldii*, 9'-10'

### Deep Blue-Black Berries

*Berberis gagnepainii*, 5'-6'  
*Berberis julianae*, 6'-7'  
*Berberis tricanthophora*, 4'-5'  
*Vaccinium corymbosum*, 4'-12'  
*Viburnum cassinoides*, 5'-6'  
*Viburnum dentatum*, 10'-12'  
*Viburnum lentago*, 25'-30'

### Blue Berries

*Ampelopsis heterophyl.*, 30'-40'  
*Callicarpa purp. (mauve)*, 3'-4'  
*Cornus amomum*, 8'-9'  
*Symplocos paniculata*, 30'-40'

## PLANTS WITH DISTINCTIVE BARK

*Acer pennsylvan.* (Striped bark)  
*Betula alba* (White bark)  
*Betula nigra* (Papery brown bk)  
*Betula pap.* (Papery white bark)  
*Betula populifol.* (Creamy bark)  
*Carpinus bet.* (Blue-gray bark)  
*Cornus alba sib.* (Bright red bk.)  
*Cornus paniculata* (Gray bark)  
*Cornus stol. lutea* (Yellow bark)  
*Cornus stolon.* (Deep red bark)  
*Elaeagnus* (Silvery bark)

(Corky-winged bark)  
*Fagus* varieties (Gray bark)  
*Kerria japonica* (Green bark)  
*Laburnum vulgare* (Green bark)  
*Liquidambar styraciflua* (Corky ridged bark)  
*Platanus orientalis* (Spotted creamy yellow bark)  
*Rosa lucida alba* (Green bark)  
*Rosa rubrifolia* (Dull red bark)  
*Tilia platy. aurea* (yellow bark)

## PLANTS SUITABLE FOR HEDGES

## Evergreens

## TALL

Berberis julianae  
Chamaecyparis pisifera and var.  
Euonymus patens  
Picea excelsa  
Pinus strobus  
Taxus cuspidata capitata  
Thuja occidentalis and varieties  
Tsuga canadensis

## LOW

Berberis triacanthophora  
Berberis verruculosa  
Buxus  
Chamaecyparis obtusa gracilis  
Ilex crenata bullata  
Ilex crenata microphylla  
Juniperus chinensis pfitzeriana  
Mahonia aquifolia  
Taxus cuspidata  
Taxus cuspidata nana  
Taxus media  
Thuja occidentalis compacta  
and dwarf varieties  
Thuja occ. Little Gem  
Thuja orientalis nana aurea

## Deciduous

## TALL

Acer ginnala  
Carpinus betulus  
Cotoneaster acutifolia  
Crataegus coccinea  
Crataegus crusgalli  
Crataegus oxyacantha  
Euonymus alatus  
Fagus sylvatica  
Hibiscus syriacus  
Ligustrum amurense  
Ligustrum ovalifolium  
Lonicera minutiflora  
Photinia villosa  
Rhamnus frangula  
Salix pentandra  
Syringa vulgaris  
Viburnum dentatum  
Viburnum prunifolium

## LOW

Berberis thunbergi  
Berberis thunbergi minor  
Berberis verna  
Cotoneaster divaricata  
Cydonia japonica  
Deutzia gracilis  
Ligustrum ovalifolium (clipped)  
Ligustrum regelianum  
Philadelphus lem. and varieties  
Rhodotypos kerriodes  
Rosa rugosa  
Spiraea Anthony Waterer  
Spiraea thunbergi  
Spiraea trilobata  
Spiraea van houttei  
Stephanandra flexuosa  
Viburnum opulus nana

## VINES

## Flowering

Actinidia  
Bignonia  
Clematis  
Hydrangea petiolaris  
Lonicera  
Polygonum  
Rosa wichuriana and varieties  
Wisteria

## Fruiting

Actinidia  
Akebia  
Ampelopsis heterophylla  
Celastrus  
Clematis

## Self-Clinging (by roots)

Ampelopsis tricuspid. (veitchii)  
Ampelopris tricuspidata lowi  
Bignonia  
Euonymus  
Hedera  
Hydrangea petiolaris  
Schizophragma hydrangeoides

## Self-Clinging (tendrils or stalks)

Actinidia  
Ampelopsis heterophylla  
Ampelopsis quinquefolia  
Celastrus  
Clematis  
Lonicera  
Wisteria

## Foliage

Actinidia  
Akebia  
Ampelopsis  
Euonymus  
Hedera  
Lonicera  
Rosa

## Rapid Growth

Actinidia  
Clematis  
Polygonum

## EVERGREEN CONIFERS

## Tall

*Abies concolor*, 50'-60'  
*Abies homolepis*, 60'-80'  
*Abies nordmanniana*, 80'-100'  
*Abies veitchii*, 50'-60'  
*Cedrus atlantica glauca*, 50'-60'  
*Cedrus Libani*, 60'-80'  
*Chamaecyparis pisifera*, 30'-40'  
*Chamaecyparis pis. aur.*, 30'-40'  
*Chamaecyparis plumosa*, 35'-40'  
*Chamaecyparis plu. aur.*, 30'-35'  
*Chamaecyparis squarrosa*, 30'-40'  
*Cryptomeria jap. lobbi*, 50'-60'  
*Juniperus virginiana*, 30'-50'  
*Picea canadensis*, 50'-60'  
*Picea excelsa*, 80'-100'  
*Picea excelsa pyramid.*, 40'-50'  
*Picea koyamai*, 40'-50'  
*Picea omorika*, 60'-80'  
*Picea orientalis*, 60'-80'  
*Picea polita*, 60'-80'  
*Picea pungens*, 70'-80'  
*Picea pungens glauca*, 70'-80'  
*Picea pungens Kosteri*, 50'-60'  
*Pinus densiflora*, 50'-60'  
*Pinus excelsa*, 50'-60'  
*Pinus flexilis*, 35'-40'  
*Pinus nigra*, 50-60'  
*Pinus resinosa*, 60'-70'  
*Pinus strobus*, 80'-100'  
*Pinus strobus fastigiata*, 35'-40'  
*Pinus sylvestris*, 40'-50'  
*Pinus thunbergii*, 60'-70'  
*Pseudotsuga douglasii*, 70'-80'  
*Thuja occidentalis*, 35'-40'  
*Thuja occiden. pyramid.*, 25'-30'  
*Thuja orientalis*, 25'-30'  
*Thuja plicata atrovirens*, 35'-40'  
*Tsuga canadensis*, 70'-80'  
*Tsuga caroliniana*, 40'-50'

## Medium Height

*Cryptomeria dacry.*, 15'-20'  
*Chamaecyparis obtusa*, 20'-25'  
*Chamaecyparis obt. mag.*, 25'-30'  
*Chamaecyparis youngi*, 20'-25'  
*Chamaecyparis filifera*, 20'-25'  
*Juniperus chinensis*, 18'-20'  
*Jun. chin. columnaris*, 20'-25'  
*Jun. chin. col. viridis*, 20'-25'  
*Juniperus chin. fortunei*, 12'-15'  
*Jun. chin. neaborensis*, 8'-10'  
*Juniperus chin. oblonga*, 10'-12'  
*Juniperus virg. burki*, 12'-15'  
*Juniperus virg. cannarti*, 20'-25'  
*Jun. virg. elegantissima*, 15'-18'  
*Juniperus virg. glauca*, 20'-25'  
*Juniperus virg. keteleeri*, 18'-20'  
*Juniperus virg. schotti*, 20'-25'  
*Pinus cembra*, 25'-30'  
*Sciadopitys verticillata*, 20'-25'  
*Taxus cusp. capitata*, 20'-25'  
*Taxus cuspidata hatfieldi*, 15'  
*Thuja occ. doug. aurea*, 15'-20'  
*Thuja occ. doug. pyramid.*, 20'-25'  
*Thuja occ. elegant.*, 15'-20'

*Thuja occ. lutea*, 12'-15'*Thuja occ. riversi*, 10'-12'*Thuja occ. rosenthali*, 10'-12'*Thuja occ. vervaeneana*, 10'12'*Thuja occ. wareana*, 12'-15'*Thuja orient. conspicua*, 10'12'*Thuja orient. elegant.*, 10'-12'*Thuja standishi*, 12'-15'

## Shrubby

*Chamaecyparis ob. comp.*, 3'-4'  
*Cham. obt. cripp.*, (slow) 8'-10'  
*Cham. obt. grac.*, (slow) 10'-12'  
*Cham. obt. grac. compacta*, 6'-8'  
*Cham. pis. fil. aurea*, 10'-12'  
*Cham. pis. fil. aureo-var.*, 8'-10'  
*Juniperus chin. albo var.*, 8'-10'  
*Juniperus chin. japonica*, 4'-5'  
*Juniperus chin. pfitzeriana*, 5'-6'  
*Juniperus canadensis*, 3'-4'  
*Juniperus communis*, 3'-4'  
*Juniperus excelsa stricta*, 5'-6'  
*Juniperus sabina*, 5'-6'  
*Jun. squamata meyeri*, 6'-8'  
*Juniperus suecica nana*, 3'-4'  
*Juniperus virg. globosa*, 4'-5'  
*Juniperus virg. pendula*, 15'-20'  
*Juniperus virg. pyramidalis*, 20'  
*Juniperus virg. smithi*, 6'-8'  
*Picea excelsa clanbrasiliana*, 4'-5'  
*Picea excelsa conica*, 6'-8'  
*Picea glauca conica*, 5'-6'  
*Pinus densif. umbrac.*, 8'-10'  
*Taxus bac. comp.*, (slow) 10'-12'  
*Taxus bac. erecta*, 8'-10'  
*Taxus bac. washington*, 6'-8'  
*Taxus cuspidata*, 10'-12'  
*Taxus cusp. Anderson*, 12'-15'  
*Taxus cuspidata nana*, 5'-6'  
*Taxus cuspidata nigra*, 6'-8'  
*Taxus media*, 10'-12'  
*Taxus media hicksi*, 10'-12'  
*Taxus sieboldi*, 10'-12'  
*Thuja occ. compacta*, 4'-5'  
*Thuja occ. globosa*, 3'-4'  
*Thuja occ. hoveyi*, 3'-4'  
*Thuja occ. pumila*, 3'-4'  
*Thuja occ. woodwardi*, 3'  
*Thuja occ. umbraculifera*, 3'-4'  
*Thuja orient. aurea nana*, 4'-5'  
*Thuja orient. bakeri*, 5'-6'  
*Thuja orient. compacta.*, 4'-5'  
*Tsuga canad. pendula*, 6'-8'

## Low or Prostrate

*Chamaecyparis squarrosa nana*, 2'  
*Chamaecyparis plu. lutescens*, 3'  
*Chamaecyparis plu. nana*, 2'  
*Juniperus chin. sargentii*, 2'-2½'  
*Juniperus com. aurea*, 2'-2½'  
*Jun. com. montana*, 1½'-2'  
*Juniperus conferta*, 9"-12"  
*Juniperus horizontalis*, 1'-1½'  
*Junip. hor. Bar Harbor*, 6"-12"  
*Juniperus hor. douglasii*, 9"-12"  
*Juniperus hor. glauca*, 1'-1½'  
*Juniperus hor. hudsonica*, 1'-2'

**EVERGREEN CONIFERS—Continued**

Juniperus hor. plumosa, 1'-2'	Picea excelsa pumila, 3'
Juniperus sab. tamar., 1'-2'	Picea excelsa repens, 1½'
Juniperus squamata, 1'-2'	Pinus mugho, 3'
Juniperus squa. variegata, 1'-2'	Taxus bacc. repandens, 2'-2½'
Picea excel. maxwelli, 1½'-2'	Taxus canadensis, 2½'-3'
Picea excelsa procumbens, 2'	Thuja occ. Little Gem, 2'-2½'

**BROAD LEAVED EVERGREENS**

Abelia grandiflora, 5'-6'	Ilex opaca, 30"-40"
Arctostaph. uva ursi, 4"-6"	Kalmia latifolia, 6'-8'
Azalea Akebona, 6'-8'	Laurocerasus schlipkaensis, 4'-6'
Azalea amoena, 4'-5'	Lavendula vera, 1½'-2'
Azalea fujimayo, 5'-6'	Lieophyllum buxifolium, 1'-2'
Azalea hinodegiri, 4'-5'	Leucothoe catesbaei, 3'-4'
Azalea kaempferi hybrids, 3'-4'	Lithospermum prostrat., 4"-6"
Azalea ledifolia 4'-5'	Lonicera fragrantissima, 6'-8'
Azalea macrantha, 3'-4'	Lonicera nitida 4'-5'
Berberis gagnepaini, 4'-5'	Lonicera japonica halliana, vine
Berberis julianae, 6'-7'	Mahonia aquifolium, 3'-4'
Berberis triacanthophora, 4'-5'	Mitchella repens, vine, 2"
Berberis verruculosa, 3'-3½'	Pachistima canbyi, 6"-9"
Calluna vulgaris, 6"-15"	Pachystima myrsinoides 18"
Chimaphila maculata, 6"-8"	Pachysandra terminalis, 6"-9"
Cotoneaster dammeri 1'-1½'	Pieris floribunda, 4'-5'
Cotoneaster franchetti, 8'-10'	Pieris japonica, 6"-7"
Cotoneaster horizontalis, 2'-2½'	Potentilla tridentata, 10"-12"
Coton. hor. perpusilla, 1'-2'	Pyracantha coccinea, 8'-10'
Cotoneaster microphylla, 2'-3'	Pyracantha cocc. lalandi, 15'-18'
Cotoneaster thymifolia, 2'-3'	Rhodo. arbifolium 3'-4'
Daphne cneorum, 1'	Rhododendron carolinian., 5'-6'
Euonymus patens, 8'-10'	Rhododendron catawb., 8'-10'
Euonymus radicans, vine	Rhododendron Hybrids, 4'-12'
Euonymus rad. coloratus, vine	Rhododendron maxi., 12'-15'
Euonymus radicans vegetus, vine	Rhododendron minus, 6'-8'
Gaultheria procumbens, 4"-6"	Stranvaesia davidiana, 12'-15'
Hedera helix and varieties, vine	Teucrium chamaedrys, 12"-15"
Hedera helix conglom., 1½'-2'	Thymus citriodorus, 6"-9"
Ilex crenata, 12"-15"	Vaccinium vitis-idea, 6""-9"
Ilex crenata bullata, 3'-4'	Viburnum rhytidophy., 8'-10'
Ilex crenata microphylla, 8'-10'	Vinca minor, vine
Ilex glabra, 4'-6'	Yucca filamentosa, 2"-3"

**SEASHORE PLANTING****Trees**

Acer rubrum  
Betula papyrifera  
Betula populifolia  
Crataegus coccinea  
Crataegus crusgalli  
Juniperus virginiana  
Larix europaea  
Picea alba  
Picea pungens  
Picea pungens kosteri  
Pinus montana mugus  
Pinus nigra  
Pinus resinosa  
Pinus sylvestris  
Pinus thunbergii  
Platanus orientalis  
Populus bolleana  
Populus eugenei  
Populus nigra italicica  
Quercus rubra  
Salix elegantissima

**Shrubs**

Berberis thunbergii  
Calluna vulgaris and varieties  
Clethra alnifolia  
Hydrangea arborescens grandifl.  
Hypericum aureum  
Ilex verticillata  
Ligustrum ovalifolium  
Ligustrum regelianum  
Lonicera tatarica  
Myrica carolinensis  
Prunus maritima  
Rhodotypos kerriodes  
Rhus canadensis  
Rosa rugosa  
Symphoricarpos vulgaris  
Viburnum cassinooides  
Viburnum dentatum  
Viburnum lentago

## PLANTS FOR AUTUMN COLORING

## Trees

*Acer ginnala*, 12'-20'  
*Acer rubrum*, 50'-75'  
*Acer saccharum*, 50'-75'  
*Betula lutea*, 90'-100'  
*Carpinus caroliniana*, 25'-35'  
*Cercidiphyllum japon.*, 50'-80'  
*Cornus florida*, 15'-25'  
*Crataegus cordata*, 15'-25'  
*Halesia tetaptera*  
*Liquidambar styracifl.*, 50'-60'  
*Nyssa sylvatica*, 40'-60'  
*Oxydendrum arboreum*, 25'-30'  
*Quercus alba*, 100'  
*Quercus coccinea*, 75'-90'  
*Quercus palustris*, 75'-90'  
*Quercus rubra*, 75'-90'

## Shrubs

*Aronia arbutifolia*, 6'-8'  
*Aronia melanocarpa*, 8'-10'  
*Berberis thunbergi*, 4'-5'  
*Berberis triacanthophora*, 4'-5'  
*Berberis vernae*, 5'-6'  
*Celastrus scandens*  
*Clethra alnifolia*, 7'-8'  
*Cornus alternifolia*, 15'-18'  
*Cornus paniculata*, 10'-12'  
*Cotoneaster* in variety  
*Enkianthus campanul.*, 12'-15'  
*Euonymus alatus*, 9'-10'  
*Euonymus americanus*, 7'-8'  
*Hydrangea quercifolia*, 3'-4'  
*Mahonia aquifolia*, 3'-4'  
*Photinia villosa*, 12'-15'  
*Rhus canadensis*, 3'-4'  
*Rhus cotinus*, 12'-15'  
*Styrax japonica*, 18'  
*Vaccinium corymbosum*, 5'-6'  
*Viburnum* (all species)

## SHADE TREES

## Tall .

*Acer rubrum*  
*Acer saccharum*  
*Betula nigra*  
*Betula lutea*  
*Betula papyrifera*  
*Fagus americana*  
*Fagus sylvatica*  
*Fagus sylvatica riversi*  
*Fraxinum americana*  
*Ginkgo biloba*  
*Liquidambar styraciflua*  
*Liriodendron tulipifera*  
*Platanus occidentalis*  
*Platanus orientalis*  
*Quercus palustris*  
*Quercus rubra*  
*Taxodium distichum*  
*Tilia americana*  
*Tilia platyphyllos*  
*Tilia vulgaris*  
*Ulmus americana*  
*Ulmus campestris*

## Medium Height

*Acer platanoides*  
*Acer platanoides schwedleri*  
*Aesculus hippocastanum*  
*Betula alba*  
*Betula alba laciniata*  
*Betula populifolia*  
*Carpinus betulus*  
*Cercidiphyllum japonicum*  
*Fagus sylvatica asplenifolia*  
*Gymnocladus dioica*  
*Larix europaea*  
*Larix leptolepis*  
*Nyssa sylvatica*  
*Phellodendron amurense*  
*Populus bolleana*  
*Populus nigra italicica*  
*Populus simoni*  
*Quercus phellos*  
*Salix babylonica*  
*Salix pentandra*  
*Sophra japonica*  
*Tilia tomentosa*  
*Ulmus moline*

## FLOWERING TREES

*Amelanchier canadensis*  
*Acer pennsylvanicum*  
*Aesculus rubicunda*  
*Amygdalus persica*  
*Cercis canadensis*  
*Chionanthus virginica*  
*Cladrastis lutea*  
*Cornus florida*  
*Cornus kousa*  
*Cornus mas*  
*Crataegus* in variety  
*Halesia tetaptera*  
*Laburnum*

*Magnolia kobus*  
*Magnolia conspicua*  
*Magnolia soulangeana* and var.  
*Malus* in variety  
*Koelreuteria paniculata*  
*Oxydendrum arboreum*  
*Prunus serrulata* and varieties  
*Sorbus aucuparia*  
*Sorbus quercifolia*  
*Styrax japonica*  
*Styrax obassia*  
*Symplocos paniculata*

## LIST OF HERBS

Herbal Name	Botanical Name	Use
Alpine Savory	<i>Satureia alpina</i>	Seasoning
Angelica	<i>Archangelica officinalis</i>	Soups
Anise	<i>Pimpinella anisum</i>	Cordials
Apple Mint	<i>Mentha rotundifolia</i>	Julep
Balm	<i>Melissa officinalis</i>	Salads, Balm tea
*Basil	<i>Ocimum basilicum</i>	Seasoning
Beebalm	<i>Monarda didyma</i>	Fragrance
Bergamot	<i>Monardia fistulosa</i>	Tea
*Borage	<i>Borago officinalis</i>	Summer drinks
Burnet	<i>Sanguisorba officinalis</i>	Cucumber flavor
Betony (big)	<i>Stachys grandiflora</i>	Medicinal
Betony (Woolly)	<i>Stachys lantana</i>	Purgative
Calamintha	<i>Calamintha alpina</i>	Seasoning
Camomile	<i>Anthemis nobilis</i>	Tonic
*Caraway	<i>Carum carvi</i>	Seed cake
Catnip	<i>Nepeta cataria</i>	Cats
Chive	<i>Allium schoenoprasum</i>	Salads, Soups
Chicory	<i>Cichorum intybus</i>	Salad
Clary	<i>Salvia sclarea</i>	Seasoning
*Coriander	<i>Coriandrum sativum</i>	Soups—Salads
Creeping Mint	<i>Mentha requieni</i>	Drinks
Costmary	<i>Chrysanthemum balsamita</i>	Medicinal
*Dill	<i>Anethum graveolens</i>	Soups, Sauces
Fennel	<i>Foeniculum vulgare</i>	Garnishing
Garden Heliotrope	<i>Valeriana officinalis</i>	Nervousness
Germanander	<i>Teucrium chamaedrys</i>	Medicinal
Greek Valerian	<i>Polemonium caeruleum</i>	Medicinal
Hoarhound	<i>Marrubium vulgare</i>	Colds
Hyssop	<i>Hyssopus officinalis</i>	Aromatic
Lavender	<i>Lavendula vera</i>	Fragrance
Lavender cotton	<i>Santolina incana</i>	Aromatic
Lemon Geranium	<i>Pelargonium limoneum</i>	Fragrance
Marjoram (pot)	<i>Origanum onites</i>	Seasoning
Meadow Sage	<i>Salvia pratensis</i>	Seasoning
Parsley	<i>Petroselinum hortense</i>	Flavoring
Pennyroyal	<i>Mentha pulegium</i>	Seasoning
Peppermint	<i>Mentha piperita</i>	Drinks
Rose Geranium	<i>Pelargonium graveolens</i>	Flavoring
Rosemary	<i>Rosmarinus officinalis</i>	Headaches
Roman Wormwood	<i>Artemisia pontica</i>	Tonic
Rue	<i>Ruta graveolens</i>	Garnish, Soup
Sage	<i>Salvia officinalis</i>	Filling, Flavoring
*Savory (summer)	<i>Satureia hortensis</i>	Seasoning
Savory (winter)	<i>Satureia montana</i>	Seasoning
Skirret	<i>Sium sisarum</i>	Salads
Sorrel	<i>Rumex scutatus</i>	Salads
Southernwood	<i>Artemisia abrotanum</i>	Medicinal
Spearmint	<i>Mentha spicata</i>	Flavoring
Sweetflag	<i>Acorus calamus</i>	Aromatic
Sweet Marjoram	<i>Origanum majorana</i>	Flavoring
Sweet Woodruff	<i>Asperula odorata</i>	Punch
Tansy	<i>Tanacetum vulgare</i>	Flavoring
Tarragon	<i>Artemisia dracunculus</i>	Pickles
Thoroughwort	<i>Eupatorium melissoides</i>	Medicinal
Thyme (common)	<i>Thymus vulgaris</i>	Seasoning
Thyme (citron)	<i>Thymus citriodorus</i>	Seasoning
Watercress	<i>Radicula nasturtium</i>	Salads
Wild Ginger	<i>Asarum canadense</i>	Spice
Wormwood	<i>Artemisia absinthium</i>	Medicinal

\*Annuals

## Plant Combinations

Most of the pleasing effects created in the garden are made by arranging complimentary things in such order as to supplement their individual beauty. It seems best to have one item dominant and plant with the whole picture in mind. For example, low spreading subjects should be planted in large numbers as ground cover, from which can spring up definite spikes or mounds of another color. Sometimes succession of flowers or berries, or perhaps mingling of colored bark will supply the missing interest in your garden, sure it is, that careful thought with some fun-giving practice will produce many a thrill. Don't stint with materials or try too many ideas in a small area. Here are a few suggestions:

### PERENNIAL BORDER

#### SPRING

*Heuchera sanguinea* — *Aquilegia caerulea*  
*Delphinium chinense album* — *Erigeron speciosus*  
*Heuchera sanguinea* — *Aquilegia caerulea* — *Iris germanica*  
*Paeonia festiva maxima* — *Dianthus latifolius atrococcineus*  
*Phlox Miss Lingard* — *Campanula persicifolia caerulea*  
*Phlox Miss Lingard* — *Aquilegia chrysanthra* — *Heuchera sanguinea*  
*Hemerocallis flava* — *Baptisia australis*  
*Anthemis tinctoria kelwayi* — *Delphinium formosum*  
*Rosa hugonis* — *Aquilegia caerulea*  
*Mertensia* — *Trillium* — *Phlox divaricata*  
*Delphinium chinense* — *Aquilegia chrysanthra*  
*Dicentra spectabilis* — white *Iris* — *Iberis*  
*Alyssum* — *Euphorbia polychroma* — *Iris pumila*  
*Hemerocallis flava* — *Iris sibirica*

#### SUMMER

*Monardia didyma* — *Phlox Mrs. Jenkins*  
*Dianthus plumarius White* — *Viola Jersey Gem*  
*Lilies* — *Papaver Mrs. Perry*  
*Linum perenne* — *Cerastium tom.* — *Papaver orientalis Mrs. Perry*  
*Coreopsis lanceolata* — *Delphinium*  
*Chrys. Shasta Daisy* — *Anthemis tin. kelwayi* — *Delphin. bella.*  
*Anchusa italicica* — *Anthemis tinctoria kelwayi*  
*Phlox pan.* — *Lilium speciosum* — *Veronica longifolia subsessilis*  
*Hemerocallis flava* — *Campanula glomerata*  
*Campanula persicifolia* — *Heuchera*  
*Lilium candidum* — *Delphiniums*  
*Lychnis chalcedonica* — white *Astilbes*  
*Scabiosa caucasica* — *Campanula carpatica*  
*Trollius* — *Anchusa myosotidiflora*  
*Trollius* — *Myosotis palustris*  
*Campanula persicifolia* — *Delphinium Belladonna*  
*Gypsophila paniculata* — *Monarda didyma*  
*Hemerocallis* — *Delphinium*  
*Shasta Daisy* — *Scabiosa caucascia*  
*Gypsophila paniculata* — *Lychnis chalcedonica*  
*Statice latifolia* — *Eryngium*

#### AUTUMN

*Thalictrum dipterocarpum* — *Anemone japonica Alice*  
*Eupatorium fraseri* — *Helenium Riverton Gem*  
*Aster Climax* — *Helenium Riverton Gem*  
*Thalictrum dipt.* — *Veronica long. subsessilis* — *Anemone jap.*  
*Buddleia* — *Anemone japonica*  
*Anemone japonica* — *Aconitum autumnale*  
*Helenium autumnale* — *Delphiniums*  
*Salvia pitcheri* — *Helenium pumilum*  
*Chrysanthemum articum* — *Eupatorium coelestinum*

### ROCK GARDEN

Arabis alpina — Pulmonaria azurea  
 Iris pumila coerulea — Viola lutea  
 Linum perenne — Androsace lanuginosa  
 Phlox subulata Nelsonsi — Viola Jersey Gem  
 Iris gracilipes — Heuchera  
 Aubrieta Lavender — Viola lutea  
 Aubrieta Lavender — Alyssum citrinum  
 Dianthus neglectus — Campanula muralis  
 Dianthus deltoides — Veronica rupestris  
 Geranium lancastriense in front of Iris gracilipes  
 Saxifraga macnabiana — Androsace lanuginosa  
 Cheiranthus Allioni — Viola cornuta  
 Yellow Sun Rose — Veronica rupestris  
 Campanula carpatica — Oenothera missouriensis  
 Geum sibiricum — Phlox subulata Wilsoni  
 Gypsophila repens — Campanula muralis  
 Anemone pulsatilla — Arabis — Doronicum  
 Arabis — Iris pumila varieties  
 Campanula carpatica alba — Heuchera  
 Alyssum saxatile compactum — Anchusa myosotidiflora  
 Arabis alpina — Viola Jersey Gem  
 Cerastium tomentosum — Heuchera sanguinea Rosa Mundi  
 Arenaria montana — Aquilegia flabellata  
 Papaver alpinum — Linum perenne  
 Papaver nudicaule — Phlox subulata G. F. Wilson  
 Geranium sanguineum — Aquilegia hybrida alba  
 Nierembergia rivularis — Plumbago larpentae  
 Arabis alpina fl. pl. — Aubrieta

### GROUPINGS

Magnolia — Dutch hyacinths (red)  
 Forsythia suspensa — Arabis alpina  
 Prunus subhirtella pendula — Grape hyacinths  
 Iris pumila — Spiraea thunbergi — Red Flowering Peach  
 Spirea thunbergi — Tulips soft lavender  
 Cercis canadensis — Crocus (white)  
 Pinus strobus — Rhododendron carolinianum  
 Juniperus virginiana — Cotoneaster horizontalis  
 Crataegus — Taxus cuspidata  
 Pieris japonica — Phlox G. F. Wilson  
 Leiophyllum buxifolium — Ajuga reptans  
 Cornus florida — Vinca minor — Daffodils  
 Amelanchier canadensis — Phlox subulata  
 Rosa carolina — Cephalanthus occidentalis  
 Tusga canadensis — Ilex verticillata

### SHRUB PLANTINGS

Amelanchier canadensis — Azalea vaseyi — Viola Jersey Gem  
 Hypericum moserianum — Buddleia  
 Amelanchier canadensis — Daphne cneorum  
 Forsythia intermedia spectabilis — Azalea mucronulata  
 Chionanthus virginica — Lonicera tartarica  
 Clethra alnifolia — Potentilla fruticosa  
 Syringa vulgaris — Symphoricarpos racemosa  
 Symphoricarpos racemosa — Viburnum americanum  
 Berberis thun. — Ligustrum ibota reg. — Eleagnus angustifolia  
 Cornus stolonifera — Kerria japonica flore-pleno  
 Cornus stolonifera lutea — Vaccinium corymbosum

## Fertilizers

Bone Meal, steamed.....	100 lbs.—3.15	Ton lots—55.00
Pure Raw Bone .....	100 lbs.—3.50	Ton lots—60.00
Sheep Manure.....	100 lbs.—3.15	Ton lots—55.00
Scotch Soot.....	100 lbs.—5.50	
Alumina Sulphate.....	50 lbs.—2.25	200 lbs.— 7.40
4-8-5 Commercial Fertilizer	100 lbs.—3.00	Ton lots—50.00
Clay's Fertilizer .....	56 lbs.—6.25	112 lbs.—12.00
Superphosphate, 20%.....	100 lbs.—2.25	Ton lots—27.50
Sulphate of Ammonia .....	100 lbs.—3.50	Ton lots— 60.00
Nitrate of Soda .....	100 lbs.—3.50	Ton lots—60.00
Muriate of Potash.....	100 lbs.—4.00	Ton lots—65.00
Lime-Hydrated.....	100 lbs.—2.00	Ton lots—35.00
Hyper Humus .....	100 lbs.—1.50	Ton lots—27.50
Leaf Mold.....	3-bu. bag—2.50	Ton lots—35.00
Wilson's Rhody Life.....	50 lbs.—3.00	100 lbs.— 5.00
Wilson's Tree Food.....	100 lbs.—5.00	Ton lots—90.00
Wilson's Lawn Fertilizer....	100 lbs.—5.00	Ton lots—90.00
Justrite Peat Moss..	1 bale—3.15	10 bale lots—2.85 per bale
Driconure.....	3½ bu. bag—2.50	10 bag lots—2.25 per bag
Sorbex Moss Peat..	10 bu. bag—2.50	10 bag lots—2.25 per bag

## Insecticides

Arsenate of Lead .....	4 lb. pkgs.—23c lb.	96 lb. lots—20c lb.
Bordeaux Mixture.....	4 lb. pkgs.—22c lb.	96 lb. lots—18c lb.
Dusting Sulphur.....	5 lb. pkgs.—75c	100 lbs. — 7.00
Wilson's Casein Spreader	1 lb. pkgs.—22c lb.	100 lb. lots—20c lb.
Black Leaf 40.....	2 lb. tins —3.25	10 lb. tins—10.60
Tree Wound Dressing....	1 gallon —2.00	5 gallon — 7.50
Tobacco Powder .....	100 lb. bag —4.85	
Dry Lime Sulphur .....	50 lb. lots —8.50	200 lb. lots—29.00
Lime Sulphur Solution....	1 gallon —1.00	5 gallon — 3.50
Tree Tanglefoot.....	5 lbs. —3.00	25 lbs. —12.00
Kolodust .....	5 lbs. — .75	25 lbs. — 2.75
Red Arrow Insect Powder	1 oz. — .35	4 ozs. — 1.00
Wilson's O.K. Plant Spray	1 gallon —3.00	5 gallon —12.00
Wilson's Scale-O.....	1 gallon —2.00	5 gallon — 9.00
Wilson's Fung-O .....	1 gallon —4.00	5 gallon —15.00
Wilson's Grub-O.....	5 lbs. —4.50	100 lbs. — 8.00
Wilson's Bor-Tox.....	2 oz. tubes— .75	1 lb. can— 2.50
Wilson's Weed Killer .....	1 gallon —2.00	5 gallon — 8.00

## Scott's Lawn Seed

The finest general purpose mixture containing deep-rooting perennial grasses with Creeping Bent. Does not contain Clover. Most weed-free of any lawn seed mixture. Directions in each package.

1 lb. can— .60      10 lb. bag—5.25      50 lb. bag—22.50

## Scott's Shade Mixture

A carefully prepared combination of shade tolerant grasses including three essential imported varieties. Produces lasting turf in shaded locations. Weed free. Complete directions in each package.

1 lb. can— .75      10 lb. bag—6.75      50 lb. bag—30.00

## Scott's Turf Builder

10 lb. sack—1.25      100 lb. sack—6.50

**GRASS SEED** should be sown at the rate of 5 lbs. to 1000 sq. ft.  
**FERTILIZER** (complete) can be added at the rate of 10 lbs. to 1000 sq. ft.

## QUANTITY OF PLANTS FOR FILLING BEDS

Our table is based on round beds, the outer row being planted one-half the distance from the edge that the bulbs or plants stand apart. For a square bed, add 25% to the number required for a round bed of the same diameter. For an oval bed, length and width is to be added and then divided by 2, thus: 8 and 6 feet equals 14 feet, divided by 2, gives 7 feet. Such a bed requiring the same number of bulbs or plants as a round bed 7 feet in diameter.

Diameter of Round Bed	Planted 4 in. Apart	Planted ½ ft. Apart	Planted 1 ft. Apart	Planted 1½ ft. Apart	Planted 2 ft. Apart
3 feet	65	30	8		
4 "	125	50	13	7	
5 "	175	83	21	10	
6 "	265	118	30	15	
7 "	350	158	40	20	10
8 "	460	206	52	25	13
10 "	720	325	82	40	20
12 "	1020	456	115	57	30
14 "	1400	615	155	78	40
16 "	1820	810	202	100	50
18 "	2290	1020	255	126	64
20 "	2840	1260	315	156	78

## HOW MANY PER FRAME

When small sizes are transplanted into beds or frames, some estimate of the area required can be made from the following figures. If the frame or bed is 6 feet wide and 100 feet long, the following quantities of plants set out at these distances will fill the frame:

Planting Distance	Trees per Bed
4x 4 inches	5,400
5x 5 inches	3,456
6x 6 inches	2,400
7x 7 inches	1,763
8x 8 inches	1,333
10x10 inches	864
12x12 inches	600

## MULCHING TABLE

1 cubic yard will cover approximately:

- 50 square feet to a thickness of 6 inches
- 100 square feet to a thickness of 3 inches
- 150 square feet to a thickness of 2 inches
- 300 square feet to a thickness of 1 inch
- 600 square feet to a thickness of  $\frac{1}{2}$  inch
- 1 bale of Peat will cover  
300 square feet to a thickness of 1 inch.
- 1 cubic yard of Top Soil will plant  
5 trees or 10 shrubs of average nursery size.
- 1 cubic yard of Cow Manure will fertilize  
30 trees or 60 shrubs of average nursery size.

## SUITABLE DISTANCES FOR PLANTING

Large street trees.....	50 to 60 feet apart.
Medium street trees.....	40 to 50 feet apart.
Small street trees.....	30 to 40 feet apart.
Large shrubs.....	8 to 10 feet apart.
Medium shrubs.....	4 to 6 feet apart.
Small shrubs.....	2 to 3 feet apart.
Herbaceous Perennials.....	6 to 18 inches apart.
Ground covers .....	6 to 12 inches apart.

## QUANTITY OF COMMERCIAL FERTILIZER TO APPLY ON SMALL AREAS

100 lbs. per acre equals approximately	1 lb. per	436 square feet.
200 " " " "	1 " "	218 " "
300 " " " "	1 " "	145 " "
400 " " " "	1 " "	109 " "
500 " " " "	1 " "	87 " "
600 " " " "	1 " "	72 " "
700 " " " "	1 " "	62 " "
800 " " " "	1 " "	55 " "
900 " " " "	1 " "	48 " "
1000 " " " "	1 " "	44 " "

## Some Facts About Controlling Insects on Ornamental Plants

Because of the many different kinds of ornamental plants and the thousands of insects attacking these plants it is impossible to give control methods here for all these insects. Therefore, this brief article is presented on some of the fundamental principles of insect control. Difficult cases of insect control should be referred to us or to your State Entomologist for advice.

### IMPORTANCE OF FEEDING HABITS

The method of controlling any specific insect is largely determined by the manner it obtains its food. If it bites off, chews and swallows solid particles of the foliage, bloom or fruit it can often be best controlled by stomach poisons, such as arsenate of lead, fluorine compounds, etc.; if it obtains its food by inserting its mouth parts through the surface and sucking out the plant juice, one must use contact poisons, such as nicotine, rotenone, pyrethrum, etc. The above two methods are effective where the insects feed upon exposed surfaces. If they bore inside the leaves, fruit, stems, trunk or roots, other methods are often necessary. Thus, how the insects feed and their habits have an important place in how to control them.

### STOMACH POISONS

The most common stomach poison for use on ornamental plants is arsenate of lead. It may be obtained in a white powdery material, or in a paste form. The powder is usually used at the rate of  $1\frac{1}{2}$  pounds to 50 gallons of water or in smaller quantities 1 ounce to 2 gallons or 1 rounding teaspoonful to 1 quart of water. Spray thoroughly all parts of the plant likely to be fed upon.

Powdered derris root or powdered pyrethrum flowers or dusts containing these insecticides also have some value as stomach poisons for ornamental plants where one does not wish to use an arsenical poison. These powders may be dusted upon the plants or applied as a spray by diluting at the rate of 1 pound to 3 to 5 gallons of water. They act as contact poisons and repellents as well as stomach poisons, but will not protect the plants for as long a time as lead arsenate against leaf eating insects.

Stomach poisons may be used against insects such as most beetles, grasshoppers, caterpillars, etc. They are not effective against plant lice, scale insects, leaf hoppers, various plant bugs, etc.

### CONTACT SPRAYS

Contact sprays are of two kinds. Those used on plants during the growing season and known as summer contact sprays, and those used on hardy plants while they are in a resting or dormant stage, are known as dormant sprays.

Summer contact sprays are of many kinds. The most common ones contain either nicotine, extracts of pyrethrum flowers (pyrethrins) or extracts of derris or cube roots (principally rotenone) as the principal killing agent in water, alcohols or oils. Soaps and the so-called white oils are also effective against some insects, such as plant lice, crawling stages of scale insects or other young insects. There are so many different kinds of contact sprays and they vary so much in their composition and formulae that general directions are difficult to give. State and Federal laws require that they be true to label and directions; therefore, they should be used as directed on the containers.

Contact sprays kill by wetting the surface of the insect to be killed. Therefore, the spraying should be thoroughly applied to all parts of the plant, both upper and lower leaf surfaces. Many contact sprays contain either soap, oils or other materials to make the diluted spray wet better. If they do not contain a wetting agent or if the dilution with water is rather high they can often be made more effective by adding soap. Powdered or dry soaps should be used 1 part to about 200 parts of the diluted spray. Liquid soap should be used diluted from 2 to 4 times as much as the actual amount of soap they contain. Thus, a liquid soap containing 15% actual soap should be added 1 part to 30 to 60 parts of the diluted insecticide spray or liquid soap containing 40% actual soap should be added 1 part to 80 to 160 parts of the diluted insecticide. The concentration of soap will depend upon how hard the insects are to kill and whether the plants are tender or hardy.

The insects controlled with summer contact sprays may be divided into several groups according to their habits and difficulty of control. These groups are as follows:

**PLANT LICE** (also called aphids and green fly), infest many different kinds of plants. Soft bodied, whitish, green, brown or sometimes almost black in color, usually not more than  $\frac{1}{8}$  inch long. Generally found clustered on the under surface of leaves, or along the new growth of stems. To control, dip or spray

plants in any of the summer contact sprays diluted with water as recommended on the container. Be careful to wet the lower surface of the leaves. It is often advisable to give a second treatment in 5 or 6 days.

**PLANT BUGS.** such as leaf hoppers, tarnished plant bugs, "white fly," thrips, etc. All are sucking insects and they are more active than plant lice, therefore, much more difficult to wet all the insects with the spray material. Use summer contact sprays as recommended on the container or at strength slightly stronger than recommended for plant lice. Use considerable volume of spray where possible and wet lower surface of leaves. It is often necessary to give 3 or 4 treatments at weekly intervals. Nicotine or pyrethrum dusts are very good where plants are crowded or close together.

**MEALY BUGS.** These are sucking insects covered with a white, powdery or woolly, wax-like material. The eggs are pinkish, small, laid in masses of 100 or more and covered with the white, woolly, wax-like material. Both the insects and egg masses are difficult to wet with the spray material. Sprays containing nicotine are usually better for mealy bugs than those containing pyrethrum or rotenone. Sprays containing summer oil or wetting agents with oil are more effective than soap or other common wetting materials. Spray with considerable force and where possible repeat the applications at 3 or 4 day intervals until the infestation is cleaned up. Large masses of mealy bugs or egg masses that are hard to wet may be painted with a solution of the spray material 4 to 6 times as strong as recommended for control of plant lice. After a few minutes or when these painted places have been wet thru syringe with clean water and spray with the regular strength recommended for mealy bugs.

**SCALE INSECTS.** Two types are commonly found on ornamental plants. One type is called armored scales because the body is covered with a round or oval, flat, wax-like scale, usually not more than  $\frac{1}{8}$  inch in diameter. The second type is called soft scales, because they have no protecting waxy scale, or they are sometimes called lecanium scales because of their shape. They are usually oval in outline, flat to hemispherical in shape and from  $\frac{1}{4}$  to  $\frac{3}{8}$  inch in greatest diameter. Both types are difficult to control with summer sprays after they become half grown or more. Regular spraying at about 10-day intervals with a summer contact spray about twice as strong as recommended for control of plant lice will kill the young insects and clean up an infestation. Contact sprays containing summer oils are more effective against scale insects than those containing soap as the wetting agent. On hardy ornamental plants scale insects are best controlled by a delayed dormant application of miscible oil or concentrated lime sulfur solution.

**SPIDER MITES.** A number of different kinds infesting many plants. They are extremely small, greenish, reddish or brown, 4-legged creatures. They occur most abundantly on the lower surface of the leaves, often several hundred to a single leaf. Their injury can be determined by the fine speckled or mottled greenish or brownish appearance on the upper surface of the leaves. The small, round, pinkish eggs or white empty egg shells or cast skins are usually abundant and easily seen with a magnifying glass.

Summer sprays containing pyrethrum or rotenone are more effective against spider mites than those containing nicotine. Sprays containing summer oils are also more effective than those containing soap or no wetting materials. The sprays should be diluted as directed on the container or usually at a strength about twice that given for plant lice. Be careful to wet the lower surface of all leaves and give two or three applications at intervals of about a week. Thorough applications with superfine ground sulphur dust has been found most effective. The overwintering eggs of spider mites on hardy plants may be destroyed by delayed dormant applications of a miscible oil.

**OTHER INSECTS.** There are many other insects such as beetles of various kinds, some caterpillars, etc., that may be killed by summer contact sprays. If they are hardy insects the spray should be used from two to three times as strong as recommended for plant lice.

#### DORMANT CONTACT SPRAYS

Dormant sprays are used for the control of the overwintering stage of certain insects on hardy plants. The dormant condition of the trees makes possible a stronger spray solution and the absence of foliage on deciduous plants permits a more thorough application. Dormant sprays usually consist of oils made miscible with water or concentrated solutions of lime sulfur liquid. The miscible oils are usually used at dilutions of 1 part to 15 to 20 parts of water and the lime sulfur solution at a dilution of 1 part to 9 parts of water. Oil sprays are usually to be preferred but should not be used on hard maples, hickory, walnut, up-right type of junipers, or evergreen trees where the "bloom" will be destroyed. Lime sulfur should be used on such trees. Lime sulfur should not be used near buildings as it discolors badly.

Dormant sprays are usually used for the control of the eggs of plant lice, spider mites and other stages of insects that might hibernate on the trees or shrubs.

### INSECTS INJURING THE ROOTS OF PLANTS

The most common forms are various plant lice, wire worms, various kinds of white grubs, such as the Japanese beetle grubs, weevil grubs of several kinds and nematodes. Plant lice may sometimes be controlled by mulching with  $\frac{1}{8}$  to  $\frac{1}{4}$  inch of tobacco powder or by watering the plants with a nicotine solution at the strength used for spraying plant lice. Root infesting plant lice are often attended by ants; therefore, control of the ants will help in getting rid of the root aphid.

### BORING INSECTS

There are many insects that bore on the inside of the trunk, stem, twigs or even the foliage of plants. Usually they cannot be reached with either a contact spray or a stomach poison spray. When they occur in woody plants and make a distinct opening to the outside through which the borings are pushed they may be destroyed by poking with a flexible twig or by poking a small rag dipped in free nicotine into the hole or by injecting a nicotine paste material into the hole. A second type of wood borers tunnel in the cambium layer of the bark or in the sap wood. They are usually not found until considerable damage has been done. Stimulating plant growth by watering and the use of fertilizers will help to prevent their occurrence as they usually attack trees that have been transplanted or that have been weakened from some other cause.

Borers infesting herbaceous plants such as the common stalk borer, the iris borer, etc., often pass the winter in the egg stage on the foliage of dead plants. The raking up and burning of these dead plant remains will help very much in keeping down infestations of these borers.

### RABBIT AND RODENT REPELLANT

Sulphonated oil is a new remedy for the protection of fruit and shade trees from the ravages of rabbits, mice and other rodents, which often do much damage in winter. Trees sprayed or painted with the oil are entirely avoided by all rodents unless they become extremely hungry and if they do attack the trees they speedily die.

The mixture is prepared by heating linseed oil until it is smoking hot—about 470 degrees Fahrenheit. The mixture should be set outdoors and flowers of sulphur added, one part to nine parts of oil by weight, making a 10 per cent solution. It is best to sift the sulphur slowly into the hot oil and stir. The mixture will become hotter until all the sulphur is dissolved. When it cools it will be ready for use; but if it is to be sprayed on the tree trunks, thinning with turpentine may be necessary to put it through the spray pump.

### BORDEAUX MIXTURE

4 lbs. copper sulphate crystals  
4 lbs. storelime  
50 gallons water

## Plant Diseases of Ornamentals

### FUNGICIDES

Satisfactory control measures for the diseases of ornamental plants are preventatives rather than cures. Control measures must, therefore, to be most effective, be initiated before the appearance of disease. When a plant is once infected there is often no cure, and the removal of such individuals and their destruction should be a general sanitary practice in all growing operations.

Disinfecting and protective fungicides serve two distinct purposes. A disinfecting spray is used as a dormant and summer spray to destroy the spores of fungi which cause disease, and which may be lodged on the bark or about the buds of deciduous trees and shrubs. Lime-sulfur solution diluted 1-9 is the most commonly used dormant disinfecting spray. Some sprays and dusts prevent infection by depositing a protective coating poisonous to fungous spores on the plant surfaces. Lime-sulfur 1-49. Bordeaux mixture, sulfur dusts and wettable sulfur sprays, are the most generally known and used protective sprays.

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